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ENTOMOLOGICAL SOCIETY
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**BULLETIN
of the
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Season's Greetings

The best wishes of your Executive-Secretary and of the Washington staff go to all members and friends of the Society for the New Year.

SUSTAINING ASSOCIATES

Our list of Sustaining Associates continues to grow with 17 not previously reported listed below. Previous lists were given in the June and in the September BULLETIN. These Associateships are of real value to the Society and we trust that the Society in turn can be of service to the Associates.

It should be pointed out that this opportunity for the advancement of entomology is open to individuals as well as to companies and other organizations.

- Acme Fertilizer Co., Box 330, Wilmington, N. C.
California Spray-Chemical Corp., Lucas and Ortho Way, Richmond, Calif.
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S. B. Pennick & Co., 50 Church St., New York 8, N. Y.
Southern Agricultural Insecticides Inc., Box 324, Palmetto, Fla.
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Superior Fertilizer & Chem. Co., P.O. Box 1021, Tampa, Fla.
Thompson-Hayward Chem. Co., 2915 Southwest Blvd. Kansas City 8, Mo.
The Triangle Co., P.O. Box 1289, Salinas, Calif.
United Fruit Co., Research Dept., 80 Federal St., Boston 10, Mass.

AUTOGRAPHA O O

These poor lines are being flagged in this issue to help, we hope, those who have time for points of interest only. Most of this issue of the BULLETIN is taken up with the common name list upon which the committee has worked long and hard. These names will be used in the JOURNAL OF ECONOMIC ENTOMOLOGY and the ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA and other Society publications. This issue of the BULLETIN may be purchased in quantity at prices given on the back page.

ANNUAL MEETING. The meeting at the Netherland Plaza Hotel in Cincinnati November 28-December 1, 1955 was very successful. Facilities at the hotel were excellent. Many interesting and informative papers were given. A report on the business meetings and similar information will appear in the March BULLETIN. A copy of the program may be obtained from this office for 75 cents. There were 623 people registered. Thirty-nine of these were member's wives, always welcome at our meetings. R. W. Rings and his local arrangements committee did an excellent job.

OFFICERS. As a result of the recent balloting H. M. Armitage was chosen President-Elect. He was given due recognition at Cincinnati and takes his place on the Executive Committee and the Governing Board. Section C (Insect Biology) elected C. P. Clausen and Section F (Chemical Control Investigations) elected Fred W. Fletcher as their representatives on the Governing Board. B. B. Pepper was reelected to that Board by the Eastern Branch and R. C. Gaines represents the Southwestern Branch. H. H. Ross, our second President, completed his term on the Executive Committee and Governing Board. His council will be greatly missed at Board meetings as will that of P. J. Chapman and R. H. Painter whose terms were completed. George C. Decker replaces Dr. Ross on the Board as past president. His service as president was outstanding and the Society owes much to his untiring work in its behalf. B. A. Porter received the gavel at Cincinnati and we look forward to continued growth of the Society under his presidency.

ANNUAL REVIEW. Over 800 orders were received from members for the ANNUAL REVIEW OF ENTOMOLOGY, Volume 1. If your institution, library or company wants a copy please order direct from Annual Reviews, Inc., Stanford, California.

MEMBERSHIP BLANKS. We will gladly supply these to any of our members who want them for non-member entomologists.

BROCHURE No. 1. The brochure on *Opportunities in Professional Entomology* has been well received and appears to fill a need. It is hoped that the Brochure may be brought to the attention of all who may be interested.

INDEX XIII. Have you ordered your copy? It sells for \$2.00 to members and \$3.00 to non-members postpaid. The first 12 Indexes are also available.

INSECT FACTS. This publication of the Centennial Commemoration Committee was announced last year. A discussion of the "kit" will be found in MEMBERS' NEWSLETTER Number 1, May 1954. A limited supply of kits has been turned over to the Society by that Committee and are available at \$3.50 each postpaid.

REPRINTS. Please note revised reprint price schedule elsewhere in this issue. We should again like to call to the attention of our members in industry that arrangements can be made to obtain reprints of JOURNAL papers mentioning their firm's products. Write us for details. We can also furnish photocopy reprints of articles published from 1951 to date. Prices will be furnished upon request.

(Continued on page 35)

Common Names of Insects

Approved by the Entomological Society of America

This list, sponsored by the Entomological Society of America, contains all common names approved by the Society for insects and other invertebrate animals commonly included in the field of entomology. It supersedes the last of four earlier lists¹ sponsored by the American Association of Economic Entomologists.

In a general way the growth of entomology during the last half-century has been reflected by the increased length of each successive list, with the result that the number of names included has increased from 142 in 1908 to 1,370 in the present list.

In response to a long-felt need the Committee has included a section giving group names which is intended to serve two purposes—first, to show common names for families, orders, classes, and phyla, and second to provide a means for finding the order and family for each species included in the list. The Committee was authorized by the Association of Economic Entomologists in 1945 "to prepare a list of common names for groups of insects, especially families, and submit such names for approval."² Therefore, the group common names are in effect being submitted for approval. The Committee has tried to find and show names that are acceptable and in current use. Any member who objects to a name or who can suggest additions is earnestly requested to inform the Committee.

Although this list supersedes all the previous lists, it should be noted that sections I and II are essentially reprints of the one issued in 1950. Names have been added and changes made either where they were required by Committee action or because of improved knowledge of taxonomy.

Over the years the Committee on Common Names has attempted to establish and maintain certain standards by which names proposed for addition to the official list are to be accepted or rejected. Published recommendations³ have been accepted as general guides by the present Committee. In 1953 A. B. Gurney reviewed the rules and recommendations concerning common names, and his summary, slightly modified, is presented here for the guidance of those who may have questions about the contents of the present list or who may wish to propose additions:

1. Included species will in most cases inhabit the United States, Canada or their possessions and territories. In special cases other species may be added.

2. The list is intended for those insects and other invertebrates which commonly are of concern to entomologists because of their economic importance, striking appearance, abundant occurrence, or for any other sufficient reason.

¹ Jour. Econ. Ent. 1: 209-213, (1908); 18: 521-545, (1925); 39: 427-448, (1946); 43: 117-135, (1950)

² Jour. Econ. Ent. 39: 104-105.

³ Jour. Econ. Ent. 16: 21-24 (1923); 35: 795-797 (1942); 46: 207-211 (1953).

I. INSECTS LISTED BY COMMON NAMES

abbreviated wireworm —V 22
Hypolithus abbreviatus (Say)
achemon sphinx —U 46 *Pholus achemon* (Drury)
African mole cricket —H 5
Gryllotalpa africana P. de B.

3. Where possible, more than three words should be avoided in a common name, but four are permissible if reasons are sufficient.

4. In the case of names having two parts, one of them a group name, it is desirable that a separate word be used for the group name if it is used in a sense that is systematically correct. Example: "house fly," as contrasted with "dobsonfly."

5. The use of parts of the scientific name in the common name is undesirable unless the words involved are thoroughly established by usage as a common name.

6. Only in special cases should a species have more than one common name.

7. In the case of insects of concern to the entomologist in both the larval and adult stages the name preferably should apply to the most important or best known stage or to the one for which usage has established the better name.

8. In all cases involving the adoption of new common names or changes in those previously established, the fullest consideration should be given to past usage and probable future usage. Members who wish to recommend new names or changes in existing ones should accept the responsibility of making the necessary investigation. In so far as possible, the considered opinions of entomologists experienced with the insects concerned should be obtained before names are proposed, and all of the available evidence, both for and against, should accompany the proposal when it is submitted to the Committee.

All scientific names in this list have been checked by taxonomists in the Entomology Research Branch, except those in a few restricted groups on which outside specialists have been consulted. The scientific names shown are those said to be in current use.

In the first two sections each name is accompanied by a symbol composed of a Roman numeral and a number or a letter and a number, which refer to order and family groups listed in section III.

In section III, phyla, classes, orders, and families are listed. The phyla and classes are arranged systematically. Orders and families are arranged alphabetically under the appropriate classes. Non-insect orders are assigned a Roman numeral, and insect orders a letter of the alphabet. Families are numbered consecutively according to their alphabetical arrangement. Thus the systematic position of any species can be determined by noting the accompanying symbol and referring to section III.

Members of Committee on Common Names of Insects, 1955.

N. O. Deay	A. E. Michelbacher
D. E. Hardy	A. V. Mitchener
L. C. Kuitert	D. E. Parker
J. L. Laffoon	J. B. Schmidt
	R. I. Sailer, <i>Chairman</i>

ailanthus webworm —U 20 *Atteva aurea* (Fitch)
Alaska spruce beetle —V 42
Dendroctonus borealis Hopk.
alder bark beetle —V 42
Alniphagus asericollis (Lec.)

- alder flea beetle —V 13 *Altica ambiens* (Lec.)
 alfalfa caterpillar —U 37 *Colias philodice eurytheme* Bdv.
 alfalfa gall midge —X 19 *Asphondylia websteri* Felt
 alfalfa looper —U 34 *Autographa californica* (Speyer)
 alfalfa plant bug —Q 10 *Adelphocoris lineolatus* (Goeze)
 alfalfa snout beetle —V 19 *Brachyrhinus ligustici* (L.)
 alfalfa webworm —U 42 *Loxostege commixtalis* (Wlk.)
 alfalfa weevil —V 19 *Hypera postica* (Gyll.)
 Allegheny mound ant —W 13 *Formica exsectoides* Forel
 Allegheny spruce beetle —V 42 *Dendroctonus punctatus* Lec.
 almond moth —U 36 *Ephestia cautella* (Wlk.)
 American aspen beetle —V 13 *Phytodecta americana* (Schffr.)
 American cockroach —H 2 *Periplaneta americana* (L.)
 American dagger moth —U 34 *Acronicta americana* (Harr.)
 American dog tick —XXIV a. 2 *Dermacentor variabilis* (Say)
 American grasshopper —H 1 *Schistocera americana* (Drury)
 American plum borer —U 36 *Euzophera semifuneralis* (Wlk.)
 angora goat biting louse —N 4 *Bovicola limbatus* (Gerv.)
 Angoumois grain moth —U 13 *Sitotroga cerealella* (Oliv.)
 angular-winged katydid —H 9 *Microcentrum retinerve* (Burm.)
 apple and thorn skeletonizer —U 15 *Anthophila pariana* (Clerck)
 apple aphid —QQ 2 *Aphis pomi* DeG.
 apple bark miner —U 16 *Marmara elotella* (Busck)
 apple curculio —V 19 *Tachypterellus quadrigibbus* (Say)
 apple flea weevil —V 19 *Rhynchaenus pallicornis* (Say)
 apple fruit miner —U 16 *Marmara pomonella* Busck
 apple fruit moth —U 20 *Argyresthia conjugella* Zell.
 apple grain aphid —QQ 2 *Rhopalosiphum fitchii* (Sand.)
 apple leafhopper —QQ 6 *Empoasca maligna* (Walsh)
 apple leaf skeletonizer —U 36 *Psorosina hammondi* (Riley)
 apple leaf trumpet miner —U 48 *Tischeria malifoliella* Clem.
 apple maggot —X 36 *Rhagoletis pomonella* (Walsh)
 apple mealybug —QQ 18 *Phenacoccus aceris* (Sign.)
 apple red bug —Q 10 *Lygidea mendax* Reut.
 apple rust mite —XXIV d. 2 *Vasates schlechtendali* (Nal.)
 apple seed chalcid —W 26 *Torymus druparum* Boh.
 apple sucker —QQ 19 *Psylla mali* (Schmdd.)
 apple twig beetle —V 42 *Stephanoderes obscurus* (F.)
 apple twig borer —V 5 *Amphicerus bicaudatus* (Say)
 arborvitae leaf miner —U 20 *Argyresthia thuella* (Pack.)
 arborvitae weevil —V 19 *Phyllobius intrusus* Kono
 Argentine ant —W 13 *Iridomyrmex humilis* Mayr
 argus tortoise beetle —V 13 *Chelymorpha cassidea* (F.)
 Arizona cotton stainer —Q 17 *Dysdercus mimulus* Hussey
 Arizona pine beetle —V 42 *Dendroctonus arizonicus* Hopk.
 army cutworm —U 34 *Chorizagrotis auxiliaris* (Grote)
- armyworm —U 34 *Pseudaletia unipuncta* (Haw.)
 artichoke plume moth —U 40 *Platyptilia carduidactyla* (Riley)
 ash borer —U 1 *Podosesia syringae frazzini* (Lug.)
 ash-gray blister beetle —V 32 *Epicauta fabricii* (Lec.)
 ash plant bug —Q 10 *Neoborus amoenus* (Reut.)
 Asiatic garden beetle —V 41 *Autoserica castanea* (Arrow)
 Asiatic oak weevil —V 19 *Cyrtopistomus castaneus* (Roelofs)
 Asiatic rice borer —U 8 *Chilo suppressalis* (Wlk.)
 asparagus beetle —V 13 *Crioceris asparagi* (L.)
 asparagus miner —X 1 *Melanagromyza simplex* (Loew)
 aspen blotch miner —U 16 *Lithocolletis tremuloidiella* (Braun)
 aspen leaf beetle —V 13 *Chrysomela tremulae* F.
 Australian cockroach —H 2 *Periplaneta australasiae* (F.)
 Australian-pine borer —V 8 *Chrysobothris tranquebarica* (Gmel.)
 avocado red mite —XXIV d. 7 *Oligonychus yothersi* (McG.)
 avocado whitefly —QQ 1 *Trialeurodes floridensis* (Quaint.)
 azalea bark scale —QQ 9 *Eriococcus azaleae* Comst.
 azalea lace bug —Q 20 *Stephanitis pyrioides* Scott
 azalea leaf miner —U 16 *Gracilaria azaleella* Brants
 azalea whitefly —QQ 1 *Aleyrodes azaleae* B. & M.
- bagworm —U 39 *Thyridopteryx ephemeraeformis* (Haw.)
 bald-faced hornet —W 28 *Vespula maculata* (L.)
 balsam-fir sawfly —W 11 *Neodiprion abietis* (Harr.)
 balsam-fir sawyer —V 12 *Monochamus marmorator* (Kby.)
 balsam gall midge —X 19 *Itonida balsamicola* (Lint.)
 balsam twig aphid —QQ 2 *Mindarus abietinus* Koch
 banana root borer —V 19 *Cosmopolites sordidus* (Germ.)
 banded cucumber beetle —V 13 *Diabrotica balteata* Lec.
 banded greenhouse thrips —P 4 *Hercinothrips femoralis* (Reut.)
 banded hickory borer —V 12 *Chion cinetus* (Drury)
 banded sunflower moth —U 35 *Phalonia hospes* (Wlsh.)
 banded woollybear —U 2 *Isia isabella* (J. E. Smith)
 barley jointworm —W 12 *Harmolita hordei* (Harr.)
 barnacle scale —QQ 8 *Ceroplastes cirripediformis* Comst.
 basswood lace bug —Q 20 *Gargaphia tiliae* (Walsh)
 basswood leaf miner —V 13 *Baliosus ruber* (Web.)
 basswood leaf roller —U 42 *Pantographa limata* G. & R.
 bean aphid —QQ 2 *Aphis fabae* Scop.
 bean leaf beetle —V 13 *Cerotoma trifurcata* (Forst.)
 bean leaf roller —U 19 *Urbanus proteus* (L.)
 bean leaf skeletonizer —U 34 *Autoplusia egea* (Guen.)
 bean stalk weevil —V 19 *Sternechus paludatus* (Casey)
 bean thrips —P 4 *Hercotothrips fasciatus* (Perg.)
 bean weevil —V 7 *Acanthoscelides obtectus* (Say)
 bed bug —Q 4 *Cimex lectularius* L.
 beech blight aphid —QQ 2 *Prociphilus imbricator* (Fitch)
 beech scale —QQ 9 *Cryptococcus fagi* (Baer.)
 beet armyworm —U 34 *Laphygma exigua* (Hbn.)
 beet leaf beetle —V 13 *Erynephala puncticollis* (Say)
 beet leafhopper —QQ 6 *Circulifer tenellus* (Baker)

beet webworm —U 42. *Loxostege sticticalis* (L.)
 bella moth —U 2. *Utetheisa bella* (L.)
 bertha armyworm —U 34. *Mamestra configurata* Wlk.
 bidens borer —U 32. *Epiblema otiosana* (Clem.)
 big-headed ant —W 13. *Pheidole megacephala* (F.)
 birch casebearer —U 5. *Coleophora salmani* Heinr.
 birch leaf miner —W 24. *Fenusa pusilla* (Lep.)
 birch sawfly —W 24. *Arge pectoralis* (Leach)
 birch skeletonizer —U 26. *Bucculatrix canadensisella* Chamb.
 birch tube maker —U 36. *Acrobasis betulella* Hulst
 bird tick —XXIV a. 2. *Haemaphysalis chordeilis* (Pack.)
 black army cutworm —U 34. *Actebia fennica* (Tausch.)
 blackberry leaf mite —XXIV d. 2. *Phyllocoptes gracilis* (Nal.)
 black blister beetle —V 32. *Epicauta pennsylvanica* (DeG.)
 black blow fly —X 5. *Phormia regina* (Meig.)
 black carpenter ant —W 13. *Camponotus herculeanus pennsylvanicus* (DeG.)
 black carpet beetle —V 20. *Attagenus piceus* (Oliv.)
 black cherry aphid —QQ 2. *Myzus cerasi* (F.)
 black cherry fruit fly —X 36. *Rhagoletis fausta* (O.S.)
 black citrus aphid —QQ 2. *Toxoptera aurantii* (Fonse.)
 black cutworm —U 34. *Agrotis ypsilon* (Rott.)
 black elm bark weevil —V 19. *Magdalis barbata* (Say)
 black grain stem sawfly —W 5. *Cephus tabidus* (F.)
 black-headed ash sawfly —W 24. *Tethida cordigera* (P. de B.)
 black-headed budworm —U 49. *Acleris variana* (Fern.)
 black-headed fireworm —U 32. *Rhopobota naevana* (Hbn.)
 Black Hills beetle —V 42. *Dendroctonus ponderosae* Hopk.
 black-horned tree cricket —H 4. *Oecanthus nigricornis nigricornis* Wlk.
 black horse fly —X 34. *Tabanus atratus* F.
 black lady beetle —V 16. *Rhizobius ventralis* (Er.)
 black larder beetle —V 20. *Dermestes ater* DeG.
 black-legged tick —XXIV a. 2. *Ixodes ricinus scapularis* Say
 black-legged tortoise beetle —V 13. *Jonthonota nigripes* (Oliv.)
 black-margined aphid —QQ 2. *Monellia costalis* (Fitch)
 black peach aphid —QQ 2. *Anuraphis persicae-niger* (Smith)
 black pecan aphid —QQ 2. *Melanocallis caryaefoliae* (Davis)
 black pine leaf scale —QQ 11. *Aspidiotus californicus* Colm.
 black scale —QQ 8. *Saissetia oleae* (Bern.)
 black swallowtail —U 33. *Papilio polyxenes asterius* Stoll
 black thread scale —QQ 11. *Ischnaspis longirostris* (Sign.)
 black turpentine beetle —V 42. *Dendroctonus terebrans* (Oliv.)
 black vine weevil —V 19. *Brachyrhinus sulcatus* (F.)
 black widow spider —XXIII. 11. *Latrodectus mactans* (F.)
 bloodsucking conenose —Q 18. *Triatoma sanguisuga* (Lec.)
 blueberry bud mite —XXIV d. 2. *Aceria vaccinii* (Keif.)
 blueberry maggot —X 36. *Rhagoletis pomonella* (Walsh)
 blue cactus borer —U 36. *Melitara dentata* (Grote)

bluegrass webworm —U 8. *Crambus teterellus* (Zinck.)
 blue horntail —W 22. *Sirex cyaneus* F.
 blunt-nosed cranberry leafhopper —QQ 6. *Scleroracrus vaccinii* (Van D.)
 body louse —O 4. *Pediculus humanus humanus* L.
 boll weevil —V 19. *Anthonomus grandis* Boh.
 bollworm —U 34. *Heliothis zea* (Boddie)
 booklouse —L 1. *Liposcelis divinatorius* (Müll.)
 boxelder aphid —QQ 2. *Periphyllus negundinis* (Thos.)
 boxelder bug —Q 5. *Leptocoris trivittatus* (Say)
 boxelder leaf roller —U 16. *Gracilaria negundella* Chamb.
 boxelder psyllid —QQ 19. *Psylla negundinis* Mally
 boxelder twig borer —U 32. *Proteoteras willingana* (Kearf.)
 boxwood leaf miner —X 19. *Monarthropalpus buxi* (Laboulb.)
 boxwood psyllid —QQ 19. *Psylla buxi* (L.)
 bramble leafhopper —QQ 6. *Ribautiana tenerrima* (H.-S.)
 bristly cutworm —U 34. *Lacinipolia renigera* (Steph.)
 bristly rose-slug —W 24. *Cladius isomerus* Nort.
 broadbean weevil —V 7. *Bruchus rufimanus* Boh.
 broad-horned flour beetle —V 46. *Gnathocerus cornutus* (F.)
 broad mite —XXIV d. 5. *Hemitarsonemus latus* (Banks)
 broad-necked root borer —V 12. *Prionus laticollis* (Drury)
 broad-nosed grain weevil —V 19. *Caulophilus latinasus* (Say)
 broad-winged katydid —H 9. *Microcentrum rhombifolium* (Sauss.)
 bronze apple tree weevil —V 19. *Magdalis aenescens* Lec.
 bronze birch borer —V 8. *Agrilus anxius* Gory
 bronzed cutworm —U 34. *Nephelodes emmedonia* (Cram.)
 bronze poplar borer —V 8. *Agrilus liragus* (B. & B.)
 brown-banded roach —H 2. *Supella supellectilium* (Serv.)
 brown chicken louse —N 3. *Goniodes dissimilis* Denny
 brown citrus aphid —QQ 2. *Aphis citricidus* (Kirk.)
 brown dog tick —XXIV a. 2. *Rhipicephalus sanguineus* (Latr.)
 brown-headed ash sawfly —W 24. *Tomostethus multicinctus* (Roh.)
 brown salt-marsh mosquito —X 8. *Aedes cantator* (Coq.)
 brown spider beetle —V 40. *Ptinus hirtellus* Sturm
 brown stink bug —Q 15. *Euschistus servus* (Say)
 brown-tail moth —U 25. *Nygma phaeorrhoea* (Donov.)
 brown wheat mite —XXIV d. 7. *Petrobia latens* (Müll.)
 Bruce spanworm —U 14. *Operophtera bruceata* (Hulst.)
 buck moth —U 43. *Hemileuca maia* (Drury)
 buckthorn aphid —QQ 2. *Aphis abbreviata* Patch
 buffalo treehopper —QQ 16. *Stictocephala bupalus* (F.)
 bulb mite —XXIV c. 1. *Rhizoglyphus echinopus* (F. & R.)
 bulb scale mite —XXIV d. 5. *Stoneotarsonemus laticeps* (Halb.)
 bumble flower beetle —V 41. *Euphoria inda* (L.)
 bumelia fruit fly —X 36. *Pseudodacus pallens* (Coq.)
 cabbage aphid —QQ 2. *Brevicoryne brassicae* (L.)
 cabbage curculio —V 19. *Ceutorhynchus rapae* Gyll.
 cabbage looper —U 34. *Trichoplusia ni* (Hbn.)
 cabbage maggot —X 21. *Hylemya brassicae* (Bouché)

- cabbage seedpod weevil —V 19
Ceutorhynchus assimilis (Payk.)
cabbage seedstalk curculio —V 19
Ceutorhynchus quadridens (Panz.)
cabbage webworm —U 42. *Heliothis rogatalis* (Hulst.)
cactus scale —QQ 11. *Diaspis echinocacti* (Bouché)
cadelle —V 37. *Tenebroides mauritanicus* (L.)
calico scale —QQ 8. *Lecaninus cerasorum* Ckll.
California harvester ant —W 13.
Pogonomyrmex californicus (Buckl.)
California oakworm —U 10
Phryganidia californica Pack.
California pear-slug —W 24
Pristiphora californica (Marl.)
California prionus —V 12
Prionus californicus Mots.
California red scale —QQ 11
Aonidiella aurantii (Mask.)
California salt-marsh mosquito —X 8.
Aedes squamiger (Coq.)
California tent caterpillar —U 22
Malacosoma californicum (Pack.)
California tortoise-shell —U 31
Nymphalis californica (Bdv.)
camellia scale —QQ 11. *Lepidosaphes camelliae* Hoke
camphor scale —QQ 11. *Pseudonidia duplex* (Ckll.)
camphor thrips —P 3
Liothrips floridensis (Watson)
caragana plant bug —Q 10
Lopidea dakota Knight
Caribbean pod borer —U 36
Fundella pellucens Zell.
carnation maggot —X 21
Hylemya brunneescens (Zett.)
carnation tip maggot —X 21
Hylemya ecinata Séguy
Carolina grasshopper —H 1
Dissosteira carolina (L.)
Carolina mantis —H 6
Stagmomantis carolina (Johan.)
carpenter bee —W 28. *Xylocopa virginica* (Drury)
carpenterworm —U 7
Prionoxystus robiniae (Peck)
carpet beetle —V 20. *Anthrenus scrophulariae* (L.)
carpet moth —U 47. *Trichophaga tapetzella* (L.)
carrot beetle —V 41. *Ligyrus gibbosus* (DeG.)
carrot rust fly —X 26. *Psila rosae* (F.)
carrot weevil —V 19. *Listronotus oregonensis* (Lec.)
casemaking clothes moth —U 47
Tinea pellionella (L.)
catalpa midge —X 19. *Itionida catalpae* (Comst.)
catalpa sphinx —U 46. *Ceratonia catalpae* (Bdv.)
cat flea —Y 2. *Ctenocephalides felis* (Bouché)
cat follicle mite —XXIV d. 1. *Demodex cati* Mégn.
cat louse —N 4. *Felicola subrostrata* (Burm.)
cattle biting louse —N 4. *Bovicola bovis* (L.)
cattle follicle mite —XXIV d. 1. *Demodex bovis* Stiles
cattle tail louse —O 1
Haematopinus quadripertusus Fahrénh.
cattle tick —XXIV a. 2. *Boophilus annulatus* (Say)
Cayenne tick —XXIV a. 2.
Amblyomma cajennense (F.)
cecropia moth —U 43. *Hyalophora cecropia* (L.)
cedar tree borer —V 12. *Semanotus ligneus* (F.)
celery leaf tier —U 42. *Udea rubigalis* (Guen.)
celery looper —U 34. *Anagrapta falcifera* (Kby.)
celeryworm —U 33. *Papilio polyzenes asterius* Stoll
chaff scale —QQ 11. *Parlatoria pergandii* Comst.
chain-spotted geometer —U 14
Cingilia catenaria (Drury)
changa —H 4. *Scaptieriscus vicinus* Scudd.
charcoal beetle —V 8. *Melanophila consputa* Lec.
cheese skipper —X 24. *Piophilus casei* (L.)
cherry casebearer —U 5. *Coleophora pruniella* Clem.
cherry fruit fly —X 36. *Rhagoletis cingulata* (Loew)
cherry fruit sawfly —W 24
Hoplocampa cookei (Clarke)
cherry fruitworm —U 32. *Grapholitha packardii* Zell.
cherry leaf beetle —V 13.
Galerucella cavicollis (Lec.)
cherry maggot —X 36. *Rhagoletis cingulata* (Loew)
chestnut timberworm —V 31
Melittomma sericeum (Harr.)
chicken body louse —N 2
Menacanthus stramineus (Nitz.)
chicken head louse —N 3
Cuculotogaster heterographus (Nitz.)
chicken mite —XXIV b. 1
Dermanyssus gallinae (DeG.)
chigger —XXIV d. 8
Eutrombicula alfeddugèsi (Oud.)
chigoe —Y 3. *Tunga penetrans* (L.)
chinch bug —Q 9. *Blissus leucopterus* (Say)
Chinese mantis —H 6
Tenodera aridifolia sinensis Saus.
Chinese obscure scale —QQ 11
Parlatoria chinensis Marl.
Chinese rose beetle —V 41. *Adoretus sinicus* Burm.
chrysanthemum aphid —QQ 2
Macrosiphoniella sanborni (Gill.)
chrysanthemum gall midge —X 19
Diarthronomyia chrysanthemi Ahlb.
chrysanthemum lace bug —Q 20
Corythucha marmorata (Uhl.)
chrysanthemum leaf miner —X 1
Phytomyza atricornis Meig.
chrysanthemum thrips —P 4
Thrips nigropilosus Uzel
cigar casebearer —U 5. *Coleophora occidentis* Zell.
cigarette beetle —V 1. *Lasioderma serricornis* (F.)
citricola scale —QQ 8
Coccus pseudomagnoliarum (Kuw.)
citrophilus mealybug —QQ 18
Pseudococcus gahani Green
citrus blackfly —QQ 1. *Aleurocanthus woglumi* Ashby
citrus bud mite —XXIV d. 2
Aceria sheldoni (Ewing)
citrus mealybug —QQ 18. *Pseudococcus citri* (Risso)
citrus red mite —XXIV d. 7
Metatetranychus citri (McG.)
citrus root weevil —V 19. *Fachnaeus litus* (Germ.)
citrus rust mite —XXIV d. 2
Phyllocoptruta oleivora (Ashm.)
citrus thrips —P 4. *Scirtothrips citri* (Moult.)
citrus whitefly —QQ 1. *Dialeurodes citri* (Ashm.)
clay-colored billbug —V 19
Calendra aequalis (Gyll.)
Clear Lake gnat —X 8. *Chaoborus astictopus* D. & S.
clear-winged grasshopper —H 1
Camnula pellucida (Scudd.)
clematis blister beetle —V 32
Epicauta cinerea (Först.)
clouded sulphur —U 37
Cotias philodice philodice Latr.
cloudy-winged whitefly —QQ 1
Dialeurodes citrifolii (Morg.)
clover aphid —QQ 2. *Anuraphis bakeri* (Cowen)
clover cutworm —U 34. *Scotogramma trifolii* (Rott.)
clover hayworm —U 41. *Hypsopygia costalis* (F.)
clover head caterpillar —U 32
Grapholitha interstinctana (Clem.)
clover head weevil —V 19
Tychius stephensi Schönh.
clover leafhopper —QQ 6
Aceratagallia sanguinolenta (Prov.)
clover leaf midge —X 19. *Dasyneura trifolii* (Loew)
clover leaf weevil —V 19. *Hypera punctata* (F.)
clover looper —U 34. *Caenurgina crassiuscula* (Haw.)
clover mite —XXIV d. 7. *Bryobia praetiosa* Koch
clover root borer —V 42
Hylastinus obscurus (Marsh.)
clover root curculio —V 19. *Sitona hispidula* (F.)
clover seed chalcid —W 12
Bruchophagus gibbus (Boh.)
clover seed midge —X 19
Dasyneura leguminicola (Lint.)

clover seed weevil —V 19 *Miccotrogus pictirostris* (F.)
 clover stem borer —V 27 *Languria mozzardi* Latr.
 cluster fly —X 5 *Pollenia rudis* (F.)
 cochineal insect —QQ 9 *Dactylopius coccus* Costa
 cocklebur weevil —V 19 *Rhodobaenus tredecimpunctatus* (Ill.)
 coconut leaf roller —U 42 *Omiodes blackburni* (Butl.)
 coconut mealybug —QQ 18 *Pseudococcus nipae* (Mask.)
 coconut scale —QQ 11 *Aspidiotus destructor* Sign.
 codling moth —U 32 *Carpocapsa pomonella* (L.)
 coffee bean weevil —V 3 *Araecerus fasciculatus* (DeG.)
 Colorado pine beetle —V 42 *Dendroctonus approximatus* Dietz
 Colorado potato beetle —V 13 *Leptinotarsa decemlineata* (Say)
 Columbia Basin wireworm —V 22 *Limontius subauratus* Lec.
 Columbian timber beetle —V 42 *Corthylus columbianus* Hopk.
 columbine borer —U 34 *Papaipema purpurifascia* (G. & R.)
 columbine leaf miner —X 1 *Phytomyza minuscula* Gour.
 common cattle grub —X 18 *Hypoderma lineatum* (De Vill.)
 common malaria mosquito —X 8 *Anopheles quadrimaculatus* Say
 composite thrips —P 4 *Microcephalothrips abdominalis* (Crawf.)
 Comstock mealybug —QQ 18 *Pseudococcus comstocki* (Kuw.)
 conchuela —Q 15 *Chlorochroa ligata* (Say)
 confused flour beetle —V 46 *Tribolium confusum* Duv.
 convergent lady beetle —V 16 *Hippodamia convergens* G.-M.
 Cooley spruce gall aphid —QQ 5 *Chermes cooleyi* Gill.
 corn blotch leaf miner —X 1 *Agromyza parvicornis* Loew
 corn earworm —U 34 *Heliothis zea* (Boddie)
 cornfield ant —W 13 *Lasius alienus americanus* Emery
 corn flea beetle —V 13 *Chaetocnema pulicaria* Melsh.
 corn leaf aphid —QQ 2 *Rhopalosiphum maidis* (Fitch)
 corn planthopper —QQ 10 *Peregrinus maidis* (Ashm.)
 corn root aphid —QQ 2 *Anuraphis maidi-radicis* (Forbes)
 corn root webworm —U 8 *Crambus caliginosellus* Clem.
 corn sap beetle —V 35 *Carpophilus dimidiatus* (F.)
 corn silk beetle —V 13 *Luperodes brunneus* (Crotch)
 cotton aphid —QQ 2 *Aphis gossypii* Glov.
 cotton blister mite —XXIV d. 2 *Cecidophyes gossypii* (Banks)
 cotton fleahopper —Q 10 *Psallus seriatus* (Reut.)
 cotton lace bug —Q 20 *Corythucha gossypii* (F.)
 cotton leaf miner —U 28 *Nepticula gossypii* F. & L.
 cotton leaf perforator —U 26 *Bucculatrix thurberiella* Busck
 cotton leafworm —U 34 *Alabama argillacea* (Hbn.)
 cotton square borer —U 23 *Strymon melinus* (Hbn.)
 cotton stainer —Q 17 *Dysdercus suturellus* (H.-S.)
 cottonwood borer —V 12 *Plectrodera scalator* (F.)
 cottonwood dagger moth —U 34 *Acrionicta lepusculina* Guen.
 cottonwood leaf beetle —V 13 *Chrysomela scripta* F.
 cottony-cushion scale —QQ 15 *Icerya purchasi* Mask.
 cottony maple scale —QQ 8 *Pulvinaria innumerabilis* (Rathv.)

cottony peach scale —QQ 8 *Pulvinaria amygdali* Ckll.
 coulee cricket —H 9 *Peranabrus scabricollis* (Thos.)
 cowpea aphid —QQ 2 *Aphis medicaginis* Koch
 cowpea curculio —V 19 *Chalcodermus aeneus* Boh.
 cowpea weevil —V 7 *Callosobruchus maculatus* (F.)
 crab-hole mosquito —X 8 *Deinocerites cancer* Theob.
 crab louse —O 4 *Phthirus pubis* (L.)
 cranberry fruitworm —U 36 *Acrobasis vaccinii* Riley
 cranberry girdler —U 8 *Crambus topiarius* Zell.
 cranberry rootworm —V 13 *Rhabdopterus picipes* (Oliv.)
 cranberry spanworm —U 14 *Anavitrinella pampinaria* (Guen.)
 cranberry weevil —V 19 *Anthonomus musculus* Say
 crapemyrtle aphid —QQ 2 *Myzocallis kahawaluokalani* Kirk.
 crazy ant —W 13 *Paratrechina longicornis* (Latr.)
 crescent-marked lily aphid —QQ 2 *Myzus circumflexus* (Buck.)
 crinkled flannel moth —U 27 *Megalopyge crispata* (Pack.)
 cross-striped cabbageworm —U 42 *Evergestis rimosalis* (Guen.)
 Cuban cockroach —H 2 *Panchlora nivea* (L.)
 Cuban-laurel thrips —P 3 *Gynaikothrips ficorum* (March.)
 cucurbit midge —X 19 *Itionida citrullii* Felt
 curled rose sawfly —W 24 *Allantus cinctus* (L.)
 currant aphid —QQ 2 *Capitophorus ribis* (L.)
 currant borer —U 1 *Ramosia tipuliformis* (Clerck)
 currant bud mite —XXIV d. 2 *Cecidophyes ribis* (Nal.)
 currant fruit fly —X 36 *Epochra canadensis* (Loew)
 currant fruit weevil —V 19 *Pseudanthrenomus validus* Dietz
 currant spanworm —U 14 *Itame ribearia* (Fitch)
 currant stem girdler —W 5 *Janus integer* (Nort.)
 cyclamen mite —XXIV d. 5 *Steneotarsonemus pallidus* (Banks)
 cynthia moth —U 43 *Samia cynthia* (Drury)
 dark mealworm —V 46 *Tenebrio obscurus* F.
 dark-sided cutworm —U 34 *Euzoa messoria* (Harr.)
 datebug —QQ 14 *Asarcopus palmarum* Horv.
 date mite —XXIV d. 7 *Oligonychus pratensis* (Banks)
 deodar weevil —V 19 *Pisodes nemorensis* Germ.
 depluming mite —XXIV c. 4 *Knemidokoptes gallinae* (Raill.)
 depressed flour beetle —V 46 *Palorus subdepressus* (Woll.)
 desert corn flea beetle —V 13 *Chaetocnema ectypa* Horn
 devastating grasshopper —H 1 *Melanoplus devastator* Scudd.
 diamondback moth —U 20 *Plutella maculipennis* (Curt.)
 dietyospermum scale —QQ 11 *Chrysomphalus dietyospermi* (Morg.)
 differential grasshopper —H 1 *Melanoplus differentialis* (Thos.)
 dingy cutworm —U 34 *Feltia subgothica* (Haw.)
 dobsonfly —R 1 *Corydalus cornutus* (L.)
 dock sawfly —W 24 *Ametastegia glabrata* (Fall.)
 dodder gall weevil —V 19 *Smicronyx sculpticollis* Casey
 dog biting louse —N 4 *Trichodectes canis* (DeG.)
 dog flea —Y 2 *Ctenocephalides canis* (Curt.)
 dog follicle mite —XXIV d. 1 *Demodex canis* Leydig
 dog sucking louse —O 3 *Linognathus setosus* (Olf.)
 dogwood borer —U 1 *Thamnospectia scitula* (Harr.)
 dogwood club-gall midge —X 19 *Mycodiplosis alternata* Felt

dogwood scale — QQ 11 *Chionaspis corni* Cooley
 dogwood spittlebug — QQ 4 *Clastoptera proteus* Fitch
 dogwood twig borer — V 12 *Oberea tripunctata* (Swed.)
 Douglas-fir beetle — V 42 *Dendroctonus pseudotsugae* Hopk.
 Douglas-fir engraver — V 42 *Scolytus unispinosus* Lec.
 Douglas-fir tussock moth — U 25 *Hemerocampa pseudotsugata* McD.
 dried-fruit beetle — V 35 *Carpophilus hemipterus* (L.)
 dried-fruit mite — XXIV c. 2 *Carpoglyphus lactis* (L.)
 dried-fruit moth — U 36 *Vitula serratilineola* Rag.
 drug-store beetle — V 1 *Stegobium paniceum* (L.)
 dry-land wireworm — V 22 *Ctenicera inflata* (Say)
 dusky birch sawfly — W 24 *Croesus latitarsus* Nort.
 dusky stink bug — Q 15 *Euschistus tristigmus* (Say)
 ear tick — XXIV a. 1 *Otobius megnini* (Dugès)
 eastern field wireworm — V 22 *Limonijs agonus* (Say)
 eastern larch beetle — V 42 *Dendroctonus simplex* Lec.
 eastern lubber grasshopper — H 1 *Romalea microptera* (F. de B.)
 eastern raspberry fruitworm — V 9 *Byturus rubi* Barber
 eastern spruce beetle — V 42 *Dendroctonus piceaperda* Hopk.
 eastern spruce gall aphid — QQ 5 *Chermes abietis* L.
 eastern subterranean termite — K 3 *Reticulitermes flavipes* (Kollar)
 eastern tent caterpillar — U 22 *Malacosoma americanum* (F.)
 eggplant flea beetle — V 13 *Epitrix fuscata* Crotch
 eggplant lace bug — Q 20 *Gargaphia solani* Heid.
 eggplant leaf miner — U 13 *Keiferia glochinella* (Zell.)
 eight-spotted forester — U 34 *Allypia octomaculata* (F.)
 elder shoot borer — U 34 *Achatodes zeae* (Harr.)
 elm borer — V 12 *Saperda tridentata* Oliv.
 elm calligrapha — V 13 *Calligrapha scalaris* (Lec.)
 elm casebearer — U 5 *Coleophora limosipennella* (Dup.)
 elm cockscomb gall — QQ 2 *Colopha ulmicola* (Fitch)
 elm lace bug — Q 20 *Corythucha ulmi* O. & D.
 elm leaf aphid — QQ 2 *Myzocallis ulmifolii* (Monell)
 elm leaf beetle — V 13 *Galerucella xanthomelaena* (Schr.)
 elm leaf miner — W 24 *Fenusa ulmi* Sand.
 elm sawfly — W 8 *Cimbex americana* Leach
 elm scurfy scale — QQ 11 *Chionaspis americana* Johns.
 elm spanworm — U 14 *Ennomos subsignarius* (Hbn.)
 elm sphinx — U 46 *Ceratonia amyntor* (Hbn.)
 elongate flea beetle — V 13 *Systema elongata* (F.)
 Engelmann spruce beetle — V 42 *Dendroctonus engelmanni* Hopk.
 Engelmann spruce weevil — V 19 *Pissodes engelmanni* Hopk.
 English grain aphid — QQ 2 *Macrosiphum granarium* (Kby.)
 ermine moth — U 20 *Hyponomeuta padella* (L.)
 euonymus scale — QQ 11 *Unaspis euonymi* (Comst.)
 eupatorium gall fly — X 36 *Procecidochares utilis* Stone
 European alder leaf miner — W 24 *Fenusa dohrnii* (Tisch.)
 European apple sawfly — W 24 *Hoplocampa testudinea* (Klug)
 European chafer — V 41 *Amphimallon majalis* (Raz.)

European chicken flea — Y 1 *Ceratophyllus gallinae* (Schr.)
 European corn borer — U 42 *Pyrausta nubilalis* (Hbn.)
 European earwig — I 1 *Forficula auricularia* L.
 European elm scale — QQ 9 *Gossyparia spuria* (Mod.)
 European fruit lecanium — QQ 8 *Lecanium corni* Bouché
 European fruit scale — QQ 11 *Aspidiotus ostreaeformis* Curt.
 European grain moth — U 47 *Nemapogon grannella* (L.)
 European honeysuckle leaf roller — U 20 *Harpiteryx xylostella* (L.)
 European mantis — H 6 *Mantis religiosa* L.
 European peach scale — QQ 8 *Lecanium persicae* (F.)
 European pine sawfly — W 11 *Neodiprion sertifer* (Geoff.)
 European pine shoot moth — U 32 *Rhyacionia buoliana* (Schiff.)
 European red mite — XXIV d. 7 *Metatetranychus ulmi* (Koch)
 European spruce beetle — V 42 *Dendroctonus micans* (Kug.)
 European spruce sawfly — W 11 *Diprion hercynias* (Htg.)
 European wheat stem sawfly — W 5 *Cephus pygmaeus* (L.)
 eyed click beetle — V 22 *Alaus oculatus* (L.)
 eye-spotted bud moth — U 32 *Spilonota ocellana* (D. & S.)
 fall armyworm — U 34 *Laphygma frugiperda* (J. E. Smith)
 fall cankerworm — U 14 *Alsophila pometaria* (Harr.)
 fall webworm — U 2 *Hyphantria cunea* (Drury)
 false chinch bug — Q 9 *Nysius ericae* (Schill.)
 false potato beetle — V 13 *Leptinotarsa juncta* (Germ.)
 false stable fly — X 21 *Muscina stabulans* (Fall.)
 fern scale — QQ 11 *Pinnaspis aspidistrae* (Sign.)
 field cricket — H 4 *Acheta assimilis* F.
 fiery hunter — V 11 *Calosoma calidum* (F.)
 fig mite — XXIV d. 2 *Aceria ficus* (Cotte)
 fig scale — QQ 11 *Lepidosaphes ficus* (Sign.)
 fig wasp — W 1 *Blastophaga psenes* (L.)
 filament bearer — U 14 *Nematocampa limbata* (Haw.)
 filbert bud mite — XXIV d. 2 *Phytoptus avellanae* Nal.
 filbert weevil — V 19 *Curculio uniformis* (Lec.)
 filbertworm — U 32 *Melissopus latiferreanus* (Wlsham.)
 fire ant — W 13 *Solenopsis geminata* (F.)
 firebrat — B 1 *Thermobia domestica* (Pack.)
 fir engraver — V 42 *Scolytus ventralis* Lec.
 flat grain beetle — U 18 *Laemophloeus pusillus* (Schönh.)
 flatheaded apple tree borer — V 8 *Chrysobothris femorata* (Oliv.)
 flatheaded fir borer — V 8 *Melanophila drummondi* (Kby.)
 flax bollworm — U 34 *Heliothis ononis* (D. & S.)
 Fletcher scale — QQ 8 *Lecanium fletcheri* Ckll.
 floodwater mosquito — X 8 *Aedes sticticus* (Meig.)
 Florida carpenter ant — W 13 *Camponotus abdominalis floridanus* (Buckl.)
 Florida fern caterpillar — U 34 *Callopatristia floridensis* (Guen.)
 Florida harvester ant — W 13 *Pogonomyrmex badius* (Latr.)
 Florida red scale — QQ 11 *Chrysomphalus aonidium* (L.)
 Florida wax scale — QQ 8 *Ceroptastes floridensis* Comst.

flower thrips —P 4. *Frankliniella tritici* (Fitch)
 fluff louse —N 3. *Goniocotes gallinae* (DeG.)
 follicle mite —XXIV d. 1. *Demodex folliculorum* (Simon)
 forage looper —U 34. *Caenurgina erechtea* (Cram.)
 Forbes scale —QQ 11. *Aspidiotus forbesi* Johns.
 forest tent caterpillar —U 22. *Malacosoma disstria* Hbn.
 fork-tailed bush katydid —H 9. *Scudderia furcata* Brunn.
 Formosan subterranean termite —K 3. *Coptotermes formosanus* Shiraki
 four-lined plant bug —Q 10. *Poecilopsus lineatus* (F.)
 four-spotted tree cricket —H 4. *Oecanthus nigricornis quadripunctatus* Beut.
 fowl tick —XXIV a. 1. *Argas persicus* (Oken)
 foxglove aphid —QQ 2. *Myzus solani* (Kltb.)
 frit fly —X 7. *Oscinella frit* (L.)
 fruit tree leaf roller —U 49. *Archips argyrospila* (Wlk.)
 Fuller rose beetle —V 19. *Pantomorus godmani* (Crotch)
 furniture carpet beetle —V 20. *Anthrenus flavipes* Lec.
 gall-making maple borer —V 12. *Xylotrechus aceris* Fisher
 garden flea hopper —Q 40. *Halticus bracteatus* (Say)
 garden springtail —D 5. *Bourletiella hortensis* (Fitch)
 garden symphyliid —XVII. 1. *Scutigerella immaculata* (Newp.)
 garden webworm —U 42. *Loxostege similalis* (Guen.)
 genista caterpillar —U 42. *Tholera reversalis* (Guen.)
 German cockroach —H 2. *Blattella germanica* (L.)
 giant hornet —W 28. *Vespa crabro* var. *germana* (Christ)
 giant stag beetle —V 28. *Lucanus elaphus* F.
 giant water bug —Q 3. *Lethocerus americanus* (Leidy)
 gladiolus thrips —P 4. *Taeniothrips simplex* (Mor.)
 glassy cutworm —U 34. *Crymodes devastator* (Brace)
 globose scale —QQ 8. *Lecanium prunastri* (Fonsc.)
 gloomy scale —QQ 11. *Chrysomphalus tenebriosus* (Comst.)
 Glover scale —QQ 11. *Lepidosaphes gloverii* (Pack.)
 goat biting louse —N 4. *Bovicola caprae* (Gurlt)
 goat follicle mite —XXIV d. 1. *Demodex caprae* Raill.
 goat sucking louse —O 3. *Linognathus stenopsis* (Burm.)
 golden-eye lacewing —RRR 1. *Chrysopa oculata* Say
 goldenglow aphid —QQ 2. *Macrosiphum rudbeckiae* (Fitch)
 golden oak scale —QQ 3. *Asterolecanium variolosum* (Ratz.)
 golden spider beetle —V 40. *Niptus hololeucus* (Fald.)
 golden tortoise beetle —V 13. *Metronia bicolor* (F.)
 gooseberry fruitworm —U 36. *Zophodia convolutella* (Hbn.)
 gooseberry witchbroom aphid —QQ 2. *Kakima houghtonensis* (Troop)
 goose body louse —N 2. *Trinoton anserinum* (F.)
 gopher-tortoise tick —XXIV a. 2. *Amblyomma tuberculatum* Marx
 grain mite —XXIV c. 1. *Acarus siro* L.
 grain rust mite —XXIV d. 2. *Abacarus hystriz* (Nal.)
 grain thrips —P 4. *Limothrips cerealium* Hal.
 granary weevil —V 19. *Sitophilus granarius* (L.)
 granulate cutworm —U 34. *Feltia subterranea* (F.)

grape berry moth —U 32. *Paralobesia viteana* (Clem.)
 grape blossom midge —X 19. *Contarinia johnsoni* (Sling.)
 grape cane gall maker —V 19. *Ampelogypter sesostris* (Lec.)
 grape colaspis —V 13. *Colaspis flava* (Say)
 grape curculio —V 19. *Craponius inaequalis* (Say)
 grape erineum mite —XXIV d. 2. *Eriophyes vitis* (Pgst.)
 grape flea beetle —V 13. *Altica chalybea* (Harr.)
 grape leaf folder —U 42. *Desmia funeralis* (Hbn.)
 grape leaf skeletonizer —U 50. *Harrisina americana* (G.-M.)
 grape mealybug —QQ 18. *Pseudococcus maritimus* (Ehrh.)
 grape phylloxera —QQ 5. *Phylloxera vitifoliae* (Fitch)
 grape plume moth —U 40. *Pterophorus perisclidactylus* Fitch
 grape root borer —U 1. *Vitacea poliatiformis* (Harr.)
 grape rootworm —V 13. *Fidia viticida* Walsh
 grape sawfly —W 24. *Erythrastides vitis* (Harr.)
 grape scale —QQ 11. *Aspidiotus uvae* Comst.
 grape seed chalcid —W 12. *Eurytoma vitis* (Saund.)
 grape trunk borer —V 12. *Clytoleptus albofasciatus* (C. & G.)
 grapevine aphid —QQ 2. *Aphis illinoisensis* Shimer
 grapevine looper —U 14. *Lygria diversilineata* (Hbn.)
 grape whitefly —QQ 1. *Trialeurodes vittatus* (Quaint.)
 grasshopper bee fly —X 4. *Systoechus vulgaris* Loew
 grasshopper maggot —X 29. *Sarcophaga kellyi* Ald.
 grass sawfly —W 24. *Pachynematus extensicornis* (Nort.)
 grass sheath miner —X 1. *Cerodontha dorsalis* (Loew)
 grass thrips —P 4. *Anaphothrips obscurus* (Müll.)
 gray-banded leaf roller —U 49. *Argyrotaenia mariana* (Fern.)
 great ash sphinx —U 46. *Sphinx chersis* (Hbn.)
 Great Basin wireworm —V 22. *Ctenicera pruinosa noxia* (Hyslop)
 greater wax moth —U 12. *Galleria mellonella* (L.)
 greedy scale —QQ 11. *Aspidiotus camelliae* Sign.
 green budworm —U 32. *Hedra variegana* (Hbn.)
 greenbug —QQ 2. *Toxoptera graminum* (Rond.)
 green cloverworm —U 34. *Plathypena scabra* (F.)
 green fruitworm —U 34. *Lithophane antennata* (Wlk.)
 green-headed spruce sawfly —W 24. *Pikonema dimmockii* (Cress.)
 greenhouse leaf tier —U 42. *Udea rubigalis* (Guen.)
 greenhouse orthozia —QQ 17. *Orthozia insignis* Browne
 greenhouse stone cricket —H 3. *Tachycines asynamorus* Adel.
 greenhouse thrips —P 4. *Heliothrips haemorrhoidalis* (Bouché)
 greenhouse whitefly —QQ 1. *Trialeurodes vaporariorum* (Westw.)
 green June beetle —V 41. *Cotinis nitida* (L.)
 green meadow locust —H 1. *Chortophaga viridifasciata* (DeG.)
 green peach aphid —QQ 2. *Myzus persicae* (Sulz.)
 green rose chafer —V 41. *Dichelonyx backi* (Kby.)
 green scale —QQ 8. *Coccus viridis* (Green)
 green shield scale —QQ 8. *Pulvinaria psidii* Mask.
 green spruce aphid —QQ 2. *Cinara fornaculæ* Hottes
 green stink bug —Q 15. *Acrosternum hilare* (Say)
 green-striped mapleworm —U 4. *Anisota rubicunda* (F.)
 gregarious oak leaf miner —U 16. *Cameraria cincinnatiella* (Chamb.)

- ground mealybug —QQ 18 *Rhizococcus falcifer* Kunck.
guinea feather louse —N 3 *Goniodes numidae* Mjöberg
Gulf Coast tick —XXIV a. 2 *Amblyomma maculatum* Koch
Gulf wireworm —V 22 *Conoderus amplicollis* (Gyll.)
gypsy moth —U 25 *Porthetria dispar* (L.)
hackberry engraver —V 42 *Scolytus muticus* Say
hackberry lace bug —Q 20 *Corythucha celtidis* O. & D.
hackberry nipple gall —QQ 19 *Pachypsylla celtidis-mamma* (Flet.)
hag moth —U 24 *Phobetron pithecium* (J. E. Smith)
hairy chinch bug —Q 9 *Blissus leucopterus hirtus* Montd.
hairy spider beetle —V 40 *Ptinus villiger* (Reit.)
Hall scale —QQ 11 *Nilotaspis halli* (Green)
harlequin bug —Q 15 *Murgantia histrionica* (Hahn)
Hawaiian beet webworm —U 42 *Hymenia recurvalis* (F.)
hawthorn lace bug —Q 20 *Corythucha cydoniae* (Fitch)
hazelnut weevil —V 19 *Curculio obtusus* (Blanch.)
head louse —O 4 *Pediculus humanus capitis* DeG.
hellgramite —R 1 *Corydalus cornutus* (L.)
hemispherical scale —QQ 8 *Saissetia hemisphaerica* (Targ.)
hemlock borer —V 8 *Melanophila fulvoguttata* (Harr.)
hemlock looper —U 14 *Lambdina fuscicollis* (Guen.)
hemlock sawfly —W 11 *Neodiprion tsugae* Midd.
hemlock scale —QQ 11 *Aspidiotus ithacae* (Ferris)
hessian fly —X 19 *Phytophaga destructor* (Say)
hickory bark beetle —V 42 *Scolytus quadrispinosus* Say
hickory horned devil —U 4 *Citheronia regalis* (F.)
hickory leaf roller —U 49 *Argyrotaenia juglandana* (Fern.)
hickory plant bug —Q 10 *Neolygus caryae* Knight
hickory shuckworm —U 32 *Laspesyesia caryana* (Fitch)
hickory tussock moth —U 2 *Halisdota caryae* (Harr.)
hide beetle —V 20 *Dermestes maculatus* DeG.
High Plains grasshopper —H 1 *Dissosteira longipennis* (Thos.)
hog follicle mite —XXIV d. 1 *Demodex phylloides* Csakor
hog louse —O 1 *Haematopinus suis* (L.)
hollyhock plant bug —Q 10 *Melanotrichus althaeae* (Hussey)
holly leaf miner —X 1 *Phytomyza ilicis* (Curt.)
holly scale —QQ 11 *Aspidiotus britannicus* Newst.
honey bee —W 3 *Apis mellifera* L.
honeysuckle sawfly —W 8 *Zarasa inflata* Nort.
hop aphid —QQ 2 *Phorodon humuli* (Schr.)
hop flea beetle —V 13 *Psylliodes punctulata* Melsh.
hop looper —U 34 *Hypena humuli* (Harr.)
hop plant bug —Q 10 *Taedia hawleyi* Knight
horned passalus —V 38 *Popilius disjunctus* (Ill.)
horned squash bug —Q 5 *Anasa armigera* (Say)
hornet moth —U 1 *Aegeria aformis* (Clerck)
horn fly —X 21 *Siphona irritans* (L.)
horse biting louse —N 4 *Bovicola equi* (L.)
horse bot fly —X 15 *Gasterophilus intestinalis* (DeG.)
horse follicle mite —XXIV d. 1 *Demodex equi* Raill.
horseradish flea beetle —V 13 *Phyllotreta armoraciae* (Koch)
horse sucking louse —O 1 *Haematopinus asini* (L.)
house centipede —XIII. 1 *Scutigera cleopatra* (L.)
house cricket —H 4 *Acheta domestica* (L.)
house fly —X 21 *Musca domestica* L.
Howard scale —QQ 11 *Aspidiotus howardi* Ckll.
human bot fly —X 9 *Dermatobia hominis* (L., Jr.)
human flea —Y 2 *Pulex irritans* L.
imbricated snout beetle —V 19 *Epicaerus imbricatus* (Say)
imperial moth —U 4 *Eacles imperialis* (Drury)
imported cabbageworm —U 37 *Pieris rapae* (L.)
imported currantworm —W 24 *Nematus ribesii* (Scop.)
imported fire ant —W 13 *Solenopsis saevissima v. richteri* Forel
imported willow leaf beetle —V 13 *Plagiodera versicolora* (Laich.)
Indian-meal moth —U 36 *Plodia interpunctella* (Hbn.)
introduced pine sawfly —W 11 *Diprion similis* (Htg.)
io moth —U 43 *Automeris io* (F.)
iris borer —U 34 *Macronoctua onusta* Grote
iris thrips —P 4 *Bregmatothrips iridis* Watson
iris weevil —V 19 *Mononychus vulpeculus* (F.)
Italian pear scale —QQ 11 *Epidaspis piricola* (Del Guer.)
itch mite —XXIV c. 4 *Sarcoptes scabiei* (DeG.)
ivy aphid —QQ 2 *Aphis hederæ* Kltb.
jack-pine budworm —U 49 *Choristoneura pinus* Free.
jack-pine sawfly —W 11 *Neodiprion pratti banksianae* Roh.
Japanese beetle —V 41 *Popillia japonica* New.
Japanese broad-winged katydid —H 9 *Holochlora japonica* (Brun.)
Jeffrey pine beetle —V 42 *Dendroctonus jeffreyi* Hopk.
Jerusalem cricket —H 3 *Stenopelmatus fuscus* Hald.
juniper scale —QQ 11 *Diaspis carueli* Targ.
juniper webworm —U 13 *Dichomeris marginella* (F.)
khapra beetle —V 20 *Trogoderma granarium* Everts
koa seedworm —U 32 *Cryptophlebia illepidia* (Butl.)
lantana gall fly —X 36 *Eutreta xanthochaeta* Ald.
lantana lace bug —Q 20 *Teleonemia scupulosa* (Stål)
lantana leaf miner —U 16 *Cremastobombycia lantanaella* Busck
lantana plume moth —U 40 *Platylitia pusillodactyla* (Wlk.)
lantana seed fly —X 1 *Ophiomyia lantanae* (Frogg.)
lappet moth —U 22 *Epicnaptera americana* (Harr.)
larch aphid —QQ 2 *Cinara larcis* (Htg.)
larch casebearer —U 5 *Coleophora larcicella* (Hbn.)
larch sawfly —W 24 *Pristiphora erichsonii* (Htg.)
larder beetle —V 20 *Dermestes lardarius* L.
large aspen tortrix —U 49 *Archips conflictana* (Wlk.)
large chestnut weevil —V 19 *Curculio proboscideus* (F.)
large chicken louse —N 3 *Goniodes gigas* (Tasch.)
large duck louse —N 2 *Trinoton querquedulae* (L.)
large milkweed bug —Q 9 *Oncopeltus fasciatus* (Dall.)
larger canna leaf roller —U 19 *Calpodex ethius* (Stoll)
larger elm leaf beetle —V 13 *Monocesta coryli* (Say)
larger Mexican pine beetle —V 42 *Dendroctonus parallelcolliis* Chap.
larger shot-hole borer —V 42 *Scolytus mali* (Bechst.)
larger yellow ant —W 13 *Lasius interjectus* Mayr
large turkey louse —N 3 *Chelopistes meleagridis* (L.)

larkspur leaf miner —X 1
Phytomyza delphiniae Frost
 latrine fly —X 21 *Fannia scalaris* (F.)
 lead cable borer —V 5 *Scobicia declivis* (Lec.)
 leaf crumpler —U 36 *Acrobasis indigenella* (Zell.)
 leaf-footed bug —Q 5 *Leptoglossus phyllopus* (L.)
 leopard moth —U 7 *Zeuzera pyrina* (L.)
 lespezea webworm —U 11
Tetralopha scortealis (Led.)
 lesser appleworm —U 32
Grapholitha prunivora (Walsh)
 lesser bud moth —U 13 *Recurvaria nanella* (Hbn.)
 lesser bulb fly —X 33 *Eumerus tuberculatus* Rond.
 lesser canna leaf roller —U 42
Geshna cannalis (Quaint.)
 lesser clover leaf weevil —V 19
Hypera nigrirostris (F.)
 lesser cornstalk borer —U 36
Elasmopalpus lignosellus (Zell.)
 lesser grain borer —V 5 *Rhyzopertha dominica* (F.)
 lesser mealworm —V 46
Alphitobius diaperinus (Panz.)
 lesser peach tree borer —U 1
Synanthedon pictipes (G. & R.)
 lesser wax moth —U 12 *Achroia grisella* (F.)
 lilac borer —U 1
Podosesia syringae syringae (Harr.)
 lilac leaf miner —U 16 *Gracilaria syringella* (F.)
 lily bulb thrips —P 3 *Liothrips vaneeckei* Pries.
 lily weevil —V 19 *Agasphaerops nigra* Horn
 lima-bean pod borer —U 36
Etiella zinckenella (Treit.)
 lima-bean vine borer —U 36
Monopitilota pergratialis (Hulst)
 linden borer —V 12 *Saperda vestita* Say
 linden looper —U 14 *Erannia tiliaria* (Harr.)
 lined spittlebug —QQ 4 *Philaenus lineatus* (L.)
 lined stalk borer —U 34 *Oligia fractilinea* (Grote)
 little black ant —W 13
Monomorium minimum (Buckl.)
 little carpenterworm —U 7
Prionozystus macmurtrei (G.-M.)
 little fire ant —W 13
Wasmannia auropunctata (Roger)
 little house fly —X 21 *Fannia canicularis* (L.)
 locust borer —V 12 *Megacyllene robiniae* (Forst.)
 locust leaf miner —V 13 *Chalepus dorsalis* Thunb.
 locust leaf roller —U 36
Nephoteryx subcaesiella (Clem.)
 locust twig borer —U 32
Ecdytolopha insiticiiana Zell.
 lodgepole cone beetle —V 42
Conophthorus contortae Hopk.
 lodgepole needle miner —U 13
Recurvaria milleri Busck
 lodgepole-pine beetle —V 42
Dendroctonus murrayanae Hopk.
 lodgepole sawfly —W 11 *Neodiprion burkei* Midd.
 lone star tick —XXIV a. 2
Amblyomma americanum (L.)
 long-nose cattle louse —O 3
Linognathus vituli (L.)
 long-tailed mealybug —QQ 18
Pseudococcus adonidum (L.)
 lubber grasshopper —H 1 *Brachystola magna* (Gir.)
 luna moth —U 43 *Actias luna* (L.)
 Madeira roach —H 2 *Leucophaea maderae* (F.)
 magnolia scale —QQ 8
Neolecanium cornuparvum (Thro)
 maize billbug —V 19 *Calendra maidis* (Chitt.)
 mango weevil —V 19 *Sternonchetus mangiferae* (F.)
 maple bladder-gall mite —XXIV d. 2
Vasates quadripedes (Shimer)
 maple callus borer —U 1 *Sylvora acerni* (Clem.)
 maple leaf cutter —U 21
Paraclemensia acerifoliella (Fitch)

maple petiole-borer —W 24
Caulocampus acericautis (MacG.)
 maple trumpet skeletonizer —U 32
Epinotia aceriella (Clem.)
 margined blister beetle —V 32
Epicauta pestifera Werner
 masked hunter —Q 18 *Reduvius personatus* (L.)
 meadow plant bug —Q 10
Leptopterna dolabratus (L.)
 meadow spittlebug —QQ 4
Philaenus leucophthalmus (L.)
 meal moth —U 41 *Pyrallis farinalis* (L.)
 mealy plum aphid —QQ 2
Hyalopterus arundinis (F.)
 Mediterranean flour moth —U 36
Anagasta kuhniella (Zell.)
 Mediterranean fruit fly —X 36
Ceratitidis capitata (Wied.)
 melon aphid —QQ 2 *Aphis gossypii* Glov.
 melon fly —X 36 *Dacus cucurbitae* Coq.
 melonworm —U 42 *Diaphania hyalinata* (L.)
 Mexican bean beetle —V 16
Epilachna varivestis Muls.
 Mexican fruit fly —X 36 *Anastrepha ludens* (Loew)
 Mexican leaf roller —U 49
Amorbia emigratella Busck
 Mexican mealybug —QQ 18
Phenacoccus gossypii T. & C.
 migratory grasshopper —H 1
Melanoplus mexicanus (Sauss.)
 (complex of species)
 mimosa webworm —U 15 *Homadula albizziae* Clarke
 mining scale —QQ 11 *Howardia biclavata* (Comst.)
 monarch butterfly —U 9 *Danaus plexippus* (L.)
 Monterey-pine cone beetle —V 42
Conophthorus radiatae Hopk.
 Monterey-pine weevil —V 19 *Pissodes radiatae* Hopk.
 Mormon cricket —H 9 *Anabrus simplex* Hald.
 morning-glory leaf miner —U 26
Bedellia somnulentella (Zell.)
 mossy rose gall —W 10 *Rhodites rosae* (L.)
 mottled tortoise beetle —V 13
Deloyala guttata (Oliv.)
 mountain-ash sawfly —W 24
Pristiphora geniculata (Htg.)
 mountain leafhopper —QQ 6
Collandonus montanus (Van D.)
 mountain pine beetle —V 42
Dendroctonus monticolae Hopk.
 mourning-cloak butterfly —U 31
Nymphalis antiopa (L.)
 mulberry whitefly —QQ 1
Tetraleurodes mori (Quaint.)
 mullein thrips —P 3 *Neoheegeria verbasci* (Osb.)
 mushroom mite —XXIV c. 1
Tyrophagus lintneri (Osb.)
 Nantucket pine moth —U 32
Rhyacionia frustrana (Comst.)
 narcissus bulb fly —X 33 *Lampetia equestris* (F.)
 narrow-winged mantis —H 6
Tenodera angustipennis Sauss.
 native elm bark beetle —V 42
Hylurgopinus rufipes (Eichh.)
 native holly leaf miner —X 1
Phytomyza ilicicola Loew
 navel orangeworm —U 36
Paramyelois venipars (Dyar)
 negro bug —Q 15 *Corimelaena pulicaria* (Germ.)
 Nevada sage grasshopper —H 1
Melanoplus rugglesi Gurney
 New Guinea sugarcane weevil —V 19
Rhabdoscelus obscurus (Bdv.)
 New York weevil —V 19
Ithycerus noveboracensis (Forst.)
 northeastern sawyer —V 12
Monochamus notatus (Drury)
 northern cattle grub —X 18 *Hypoderma bovis* (L.)

- northern corn rootworm —V 13 *Diabrotica longicornis* (Say)
 northern fowl mite —XXIV b. 1 *Bdellonyasius sylvianus* (C. & F.)
 northern house mosquito —X 8 *Culex pipiens* L.
 northern masked chafer —V 41 *Cyclocephala borealis* Arrow
 northern mole cricket —H 5 *Gryllotalpa hexadactyla* Perty
 northern rat flea —Y 1 *Nosopsyllus fasciatus* (Bosc)
 northwest-coast mosquito —X 8 *Aedes aboriginis* Dyar
 Norway-maple aphid —QQ 2 *Periphyllus tyropictus* (Kess.)
 nose bot fly —X 15 *Gasterophilus haemorrhoidalis* (L.)
 nutgrass armyworm —U 34 *Laphygma exempta* (Wlk.)
 Nuttall blister beetle —V 32 *Lytta nuttallii* Say
 oak lace bug —Q 20 *Corythucha arcuata* (Say)
 oak sapling borer —V 12 *Goes tessellatus* (Hald.)
 oak skeletonizer —U 26 *Bucculatrix ainsliella* Murtf.
 oak timberworm —V 6 *Arrhenodes minutus* (Drury)
 oblique-banded leaf roller —U 49 *Archips rosaceana* (Harr.)
 obscure scale —QQ 11 *Chrysomphalus obscurus* (Comst.)
 odorous house ant —W 13 *Tapinoma sessile* (Say)
 old-house borer —V 12 *Hylotrupes bajulus* (L.)
 oleander scale —QQ 11 *Aspidiotus hederae* (Vallot)
 olive fruit fly —X 36 *Dacus oleae* (Gmel.)
 olive scale —QQ 11 *Parlatoria oleae* (Colvée)
 omnivorous leaf tier —U 49 *Cnephasia longana* (Haw.)
 one-spot stink bug —Q 15 *Euschistus variolarius* (P. de B.)
 onion maggot —X 21 *Hyalemya antiqua* (Meig.)
 onion plant bug —Q 10 *Labopidea allii* Knight
 onion thrips —P 4 *Thrips tabaci* Lind.
 orange-dog —U 33 *Papilio cresphontes* Cram.
 orange-striped oakworm —U 4 *Anisota senatoria* (J. E. Smith)
 orange tortrix —U 49 *Argyrotaenia citrana* (Fern.)
 orchidfly —W 12 *Eurytoma orchidearum* (Westw.)
 Oregon fir sawyer —V 12 *Monochamus oregonensis* (Lec.)
 Oregon wireworm —V 22 *Melanotus oregonensis* (Lec.)
 oriental beetle —V 41 *Anomala orientalis* Waterh.
 oriental cockroach —H 2 *Blatta orientalis* L.
 oriental fruit fly —X 36 *Dacus dorsalis* Hendel
 oriental fruit moth —U 32 *Grapholitha molesta* (Busck)
 oriental house fly —X 21 *Musca domestica vicina* Macq.
 oriental moth —U 24 *Cnidocampa flavescens* (Wlk.)
 oriental rat flea —Y 2 *Xenopsylla cheopis* (Rothsch.)
 oval guinea pig louse —N 1 *Gyropus ovalis* Burm.
 oystershell scale —QQ 11 *Lepidosaphes ulmi* (L.)
 Pacific Coast tick —XXIV a. 2 *Dermacentor occidentalis* Marx
 Pacific Coast wireworm —V 22 *Limonijs canus* Lec.
 Pacific flatheaded borer —V 8 *Chrysobothris mali* Horn
 Pacific mite —XXIV d. 7 *Tetranychus pacificus* McG.
 Pacific willow leaf beetle —V 13 *Galerucella carbo* (Lec.)
 Packard grasshopper —H 1 *Melanoplus packardii* Scudd.
 painted beauty —U 31 *Vanessa virginiensis* (Drury)
 painted hickory borer —V 12 *Megacyllene caryae* (Gahan)
 painted-lady —U 31 *Vanessa cardui* (L.)
 painted leafhopper —QQ 6 *Endria inimica* (Say)
 painted maple aphid —QQ 2 *Drepanaphis acerifoliae* (Thos.)
 pale juniper webworm —U 35 *Phalonia rutilana* (Hbn.)
 pale-sided cutworm —U 34 *Agrotis malefida* Guen.
 pale-striped flea beetle —V 13 *Systema blanda* Melsh.
 pales weevil —V 19 *Hylobius pales* (Hbst.)
 pale tussock moth —U 2 *Halisidota tessellaris* (J. E. Smith)
 pale western cutworm —U 34 *Agrotis orthogonia* Morr.
 palmerworm —U 13 *Dichomeris ligulella* Hbn.
 palm leaf skeletonizer —U 6 *Homaledra sabalella* (Chamb.)
 pandora moth —U 43 *Coloradia pandora* Blake
 papaya fruit fly —X 36 *Toxotrypana curvicauda* Gerst.
 parlatoria date scale —QQ 11 *Parlatoria blanchardi* (Targ.)
 parsleyworm —U 33 *Papilio polyzenes asterius* Stoll
 parsnip webworm —U 31 *Depressaria herackiana* (L.)
 pavement ant —W 13 *Tetramorium caespitum* (L.)
 pea aphid —QQ 2 *Macrosiphum pisi* (Harr.)
 peach bark beetle —V 42 *Phloeotribus liminaris* (Harr.)
 peach silver mite —XXIV d. 2 *Vasates cornutus* (Banks)
 peach tree borer —U 1 *Sanninoidea exitiosa* (Say)
 peach twig borer —U 13 *Anarsia lineatella* Zell.
 pea leaf miner —X 1 *Liriomyza langei* Frick
 pea leaf weevil —V 19 *Sitona lineata* (L.)
 pea moth —U 32 *Laspeyresia nigricana* (Steph.)
 pear borer —U 1 *Thamnosphecia pyri* (Harr.)
 pear fruit borer —U 36 *Nephopteryx rubrizonella* Rag.
 pear leaf blister mite —XXIV d. 2 *Eriophyes pyri* (Pgst.)
 pear midge —X 19 *Contarinia pyrivora* (Riley)
 pear plant bug —Q 10 *Neolygus communis* Knight
 pear psylla —QQ 19 *Psylla pyricola* Foerst.
 pear rust mite —XXIV d. 2 *Epitrimerus pyri* (Nal.)
 pear-slug —W 24 *Caliroa cerasi* (L.)
 pear thrips —P 4 *Taeniothrips inconsequens* (Uzel)
 pea weevil —V 7 *Bruchus pisorum* (L.)
 pecan bud moth —U 32 *Gretchena bolliana* (Sling.)
 pecan carpenterworm —U 7 *Cossula magnifica* (Stkr.)
 pecan cigar casebearer —U 5 *Coleophora caryaefoliella* Clem.
 pecan leaf casebearer —U 36 *Acrobasis juglandis* (LeB.)
 pecan leaf phylloxera —QQ 5 *Phylloxera notabilis* Perg.
 pecan leafroll mite —XXIV d. 2 *Aceria caryae* (Keif.)
 pecan nut casebearer —U 36 *Acrobasis caryae* Grote
 pecan phylloxera —QQ 5 *Phylloxera devastatrix* Perg.
 pecan weevil —V 19 *Curculio caryae* (Horn)
 pepper and salt moth —U 14 *Biston cognataria* (Guen.)
 peppergrass beetle —V 13 *Galeruca browni* Blake
 pepper maggot —X 36 *Zonosemata electa* (Say)
 pepper weevil —V 19 *Anthonomus eugentii* Cano
 periodical cicada —QQ 7 *Magicicada septendecim* (L.)
 persimmon borer —U 1 *Sannina uroceriformis* Wlk.
 persimmon psylla —QQ 19 *Trioza diospyri* (Ashm.)
 Pharaoh ant —W 13 *Monomorium pharaonis* (L.)
 phlox plant bug —Q 10 *Lopidea davisii* Knight
 pickleworm —U 42 *Diaphania nitidalis* (Stoll)
 pigeon fly —X 17 *Pseudolynchia canariensis* (Macq.)

- pigeon tremex — W 22 *Tremex columba* (L.)
 pineapple mealybug — QQ 18 *Pseudococcus brevipes* (Ckll.)
 pineapple scale — QQ 11 *Diaspis bromeliae* (Kern.)
 pineapple weevil — V 19 *Metamasius ritchiei* Mshl.
 pine bark aphid — QQ 5 *Pineus strobi* (Htg.)
 pine bud mite — XXIV d. 2 *Phytoptus pini* Nal.
 pine butterfly — U 37 *Neophasia menapia* (F. & F.)
 pine chafer — V 41 *Anomala obliqua* Horn
 pine engraver — V 42 *Ips pini* (Say)
 pine false webworm — W 18 *Acantholyda erythrocephala* (L.)
 pine gall weevil — V 19 *Podapion gallicola* Riley
 pine needle miner — U 13 *Exoteleia pinifoliella* (Chamb.)
 pine needle scale — QQ 11 *Phenacaspis pinifoliae* (Fitch)
 pine root collar weevil — V 19 *Hylobius radicis* Buch.
 pine spittlebug — QQ 4 *Aphrophora parallela* (Say)
 pine tortoise scale — QQ 8 *Toumeyella numismaticum* (P. & M.)
 pine tube moth — U 49 *Argyrotaenia pinatubana* (Kearf.)
 pine tussock moth — U 25 *Olene plagiata* (Wlk.)
 pine webworm — U 11 *Tetralopha robustella* Zell.
 pink bollworm — U 13 *Pectinophora gossypiella* (Saund.)
 pink sugarcane mealybug — QQ 18 *Trionymus sacchari* (Ckll.)
 piñon cone beetle — V 42 *Conophthorus edulis* Hopk.
 pipevine swallowtail — U 33 *Battus philenor* (L.)
 pistol casebearer — U 5 *Coleophora malivorella* Riley
 pitcherplant mosquito — X 8 *Wyeomyia smithii* (Coq.)
 pitch mass borer — U 1 *Vespa pini* (Kell.)
 pitch twig moth — U 32 *Petrova comstockiana* (Fern.)
 plains false wireworm — V 46 *Eleodes opaca* (Say)
 plum curculio — V 19 *Conotrachelus nenuphar* (Hbst.)
 plum gouger — V 19 *Anthonomus scutellaris* Lec.
 plum leafhopper — QQ 6 *Macropsis trimaculata* (Fitch)
 plum web-spinning sawfly — W 18 *Neurotoma inconspicua* (Nort.)
 polyphemus moth — U 43 *Antheraea polyphemus* (Cram.)
 ponderosa-pine cone beetle — V 42 *Conophthorus ponderosae* Hopk.
 poplar and willow borer — V 19 *Sternochetus lapathi* (L.)
 poplar borer — V 12 *Saperda calcarata* Say
 poplar leaf-folding sawfly — W 24 *Nematus bozemani* (Cooley)
 poplar-petiole gall aphid — QQ 2 *Pemphigus populi-transversus* Riley
 poplar tent maker — U 29 *Ichthyura inclusa* Hbn.
 poplar-twig gall aphid — QQ 2 *Pemphigus populi-ramulorum* Riley
 poplar vagabond aphid — QQ 2 *Mordwilkoja vagabunda* (Walsh)
 potato aphid — QQ 2 *Macrosiphum solanifolii* (Ashm.)
 potato flea beetle — V 13 *Epitrix cucumeris* (Harr.)
 potato leafhopper — QQ 6 *Empoasca fabae* (Harr.)
 potato psyllid — QQ 19 *Paratrioza cockerelli* (Sule)
 potato scab gnat — X 14 *Pnyxia scabiei* (Hopk.)
 potato stalk borer — V 19 *Trichobaris trinotata* (Say)
 potato stem borer — U 34 *Hydroecia micacea* (Esp.)
 potato tuberworm — U 13 *Gnorimoschema operculella* (Zell.)
 poultry bug — Q 4 *Haematosiphon inodorus* (Dugès)
 prairie flea beetle — V 13 *Altica canadensis* (Gent.)
 prairie grain wireworm — V 22 *Ctenicera aeripennis destructor* (Brown)
 prairie tent caterpillar — U 22 *Malacosoma lutescens* (N. & D.)
 privet aphid — QQ 2 *Myzus ligustri* (Mosley)
 privet leaf miner — U 16 *Gracilaria cuculipennella* (Hbn.)
 privet mite — XXIV d. 6 *Brevipalpus inornatus* (Banks)
 promethea moth — U 43 *Callosamia promethea* (Drury)
 Puget Sound wireworm — V 22 *Ctenicera aeripennis aeripennis* (Kby.)
 purple-backed cabbageworm — U 42 *Evergestia straminealis* (Hbn.)
 purple scale — QQ 11 *Lepidosaphes beckii* (Newm.)
 purple-spotted lily aphid — QQ 2 *Macrosiphum lilii* (Monell)
 puss caterpillar — U 27 *Megalopyge opercularis* (J. E. Smith)
 Putnam scale — QQ 11 *Aspidiotus ancylus* (Putn.)
 pyramid ant — W 13 *Dorymyrmex pyramicus* (Roger)
 pyriform scale — QQ 8 *Protopulvinaria pyriformis* (Ckll.)
 quince curculio — V 19 *Conotrachelus crataegi* Walsh
 quince treehopper — QQ 16 *Glossonotus crataegi* (Fitch)
 rabbit louse — O 2 *Haemodipsus ventricosus* (Denny)
 rabbit tick — XXIV a. 2 *Haemaphysalis leporis-palustris* (Pack.)
 ragweed borer — U 32 *Epiblema strenuana* (Wlk.)
 ragweed plant bug — Q 10 *Chlamydatus associatus* (Uhl.)
 raisin moth — U 36 *Ephesia figulilella* Greg.
 range caterpillar — U 43 *Hemileuca oliviae* Ckll.
 range crane fly — X 37 *Tipula simplex* Doane
 rapid plant bug — Q 10 *Adelphocoris rapidus* (Say)
 raspberry cane borer — V 12 *Oberea bimaculata* (Oliv.)
 raspberry cane maggot — X 21 *Pegomya rubivora* (Coq.)
 raspberry leaf roller — U 32 *Ezartema permundanum* Clem.
 raspberry root borer — U 1 *Bembecia marginata* (Harr.)
 raspberry sawfly — W 24 *Monophadnoides geniculatus* (Htg.)
 red-admiral — U 13 *Vanessa atalanta* (L.)
 red-backed cutworm — U 34 *Euxoa ochrogaster* (Guen.)
 red-banded leaf roller — U 49 *Argyrotaenia velutinana* (Wlk.)
 red-banded thrips — P 4 *Selenothrips rubrocinctus* (Giard)
 redberry mite — XXIV d. 2 *Aceria essigi* (Hassan)
 red carpenter ant — W 13 *Camponotus herculeanus pennsylvanicus ferrugineus* (F.)
 red date scale — QQ 9 *Phoenicococcus marlatti* Ckll.
 red elm bark weevil — V 19 *Magdalis armicollis* (Say)
 red flour beetle — V 46 *Tribolium castaneum* (Hbst.)
 red grasshopper mite — XXIV d. 9 *Eutrombidium trigonum* (Herm.)
 red harvest ant — W 13 *Pogonomyrmex barbatus* (F. Smith)
 red-headed ash borer — V 12 *Neoclytus acuminatus* (F.)
 red-headed pine sawfly — W 11 *Neodiprion lecontei* (Fitch)
 red-humped caterpillar — U 29 *Schizura concinna* (J. E. Smith)

- red-humped oakworm —U 29
Symnerista albicosta (Hbn.)
- red-legged flea beetle —V 13
Derocrepis erythropus (Melsh.)
- red-legged grasshopper —H 1
Melanoplus femur-rubrum (DeG.)
- red-legged ham beetle —V 15
Necrobia rufipes (DeG.)
- red milkweed beetle —V 12
Tetraopes tetrophthalmus (Forst.)
- red-necked cane borer —V 8 *Agrilus ruficollis* (F.)
- red-necked peanutworm —U 13
Stegasta bosqueella (Chamb.)
- red-pine cone beetle —V 42
Conophthorus resinosae Hopk.
- red-pine sawfly —W 11 *Neodiprion nanulus* Schedl
- red-shouldered ham beetle —V 15
Necrobia ruficollis (F.)
- red turnip beetle —V 13
Entomoscelis americana Brown
- red turpentine beetle —V 42
Dendroctonus valens Lec.
- red wax scale —QQ 8 *Ceroplastes rubens* Mask.
- red-winged pine beetle —V 42
Dendroctonus rufipennis (Kby.)
- regal moth —U 4 *Citheronia regalis* (F.)
- relapsing-fever tick —XXIV a. 1
Ornithodoros turicata (Dugès)
- resplendent shield bearer —U 17
Coptodisca splendoriferella (Clem.)
- Rhodes-grass scale —QQ 18
Antonina graminis (Mask.)
- rhododendron borer —U 1
Ramosia rhododendri (Beut.)
- rhododendron lace bug —Q 20
Stephanitis rhododendri Horv.
- rhododendron whitefly —QQ 1
Dialeurodes chittendeni Laing
- rhubarb curculio —V 19 *Lixus concavus* Say
- rice stalk borer —U 8 *Chilo plejadellus* Zinck
- rice stink bug —Q 15 *Solubea pugnax* (F.)
- rice water weevil —V 19
Lissorhoptrus oryzophilus Ksl.
- rice weevil —V 19 *Sitophilus oryza* (L.)
- ring-legged earwig —I 2
Euborellia annulipes (Lucas)
- Rocky Mountain grasshopper —H 1
Melanoplus spretus (Walsh)
- Rocky Mountain wood tick —XXIV a. 2
Dermacentor andersoni Stiles
- rose aphid —QQ 2 *Macrosiphum rosae* (L.)
- rose chafer —V 41 *Macrodactylus subspinosus* (F.)
- rose curculio —V 19 *Rhynchites bicolor* (F.)
- rose leaf beetle —V 13 *Nodonta puncticollis* (Say)
- rose leafhopper —QQ 6 *Edwardsiana rosae* (L.)
- rose midge —X 19 *Dasyneura rhodophaga* (Coq.)
- rose root gall —W 10 *Rhodites radicum* O. S.
- rose scale —QQ 11 *Aulacaspis rosae* (Bouché)
- rose slug —W 24 *Endelomyia aethiops* (F.)
- rose stem girdler —V 8 *Agrilus rubicola* Abeille
- rosy apple aphid —QQ 2 *Anuraphis roseus* Baker
- rotund tick —XXIV a. 2 *Ixodes kingi* Bishopp
- roundheaded apple tree borer —V 12
Saperda candida F.
- roundheaded fir borer —V 12 *Tetropium abietis* Fall
- roundheaded pine beetle —V 42
Dendroctonus convexifrons Hopk.
- rustic borer —V 12 *Xylotrechus colonus* (F.)
- rusty grain beetle —V 18
Laemophloeus ferrugineus (Steph.)
- rusty plum aphid —QQ 2
Hysteroneura setariae (Thos.)
- rusty tussock moth —U 25 *Orgyia antiqua* (L.)
- saddleback caterpillar —U 24
Sibine stimulea (Clem.)
- saddled leafhopper —QQ 6
Colladonus citellarius (Say)
- saddled prominent —U 29
Heterocampa guttivitta (Wlk.)
- sagebrush defoliator —U 13 *Aroga websteri* Clarke
- salt-marsh caterpillar —U 2
Estigmene acrea (Drury)
- salt-marsh mosquito —X 8 *Aedes sollicitans* (Wlk.)
- sand-cherry weevil —V 19
Anthonomus hirsutus Bruner
- sand wireworm —V 22 *Horistonotus uhleri* Horn
- San Jose scale —QQ 11
Aspidiotus perniciosus Comst.
- sapwood timberworm —V 31
Hylecoetus lugubris Say
- Saratoga spittlebug —QQ 4
Aphrophora saratogensis (Fitch)
- satin moth —U 25 *Stilpnotia salicis* (L.)
- saw-toothed grain beetle —V 18
Oryzaephilus surinamensis (L.)
- Say blister beetle —V 32 *Pomphopoea sayi* (Lec.)
- Say stink bug —Q 15 *Chlorochroa sayi* Stål
- scab mite —XXIV c. 3 *Psoroptes equi* Gerv.
- scaly-leg mite —XXIV c. 4
Knemidokoptes mutans (R. & L.)
- screw-worm —X 5 *Callitroga hominivorax* (Cqrl.)
- scurfy scale —QQ 11 *Chionaspis furfura* (Fitch)
- secondary screw-worm —X 5
Callitroga macellaria (F.)
- seed-corn beetle —V 11 *Agonoderus lecontei* Chaud.
- seed-corn maggot —X 21 *Hylemya ciliatura* (Rond.)
- sequoia pitch moth —U 1
Vespa mima sequoiae (Hy. Edw.)
- serpentine leaf miner —A 1
Liriomyza pusilla (Meig.)
- shaft louse —N 2 *Menopon gallinae* (L.)
- sheep biting louse —N 4 *Bovicola ovis* (L.)
- sheep bot fly —X 22 *Oestrus ovis* L.
- sheep follicle mite —XXIV d. 1
Demodex canis v. ovis Raill.
- sheep ked —X 17 *Melophagus ovinus* (L.)
- sheep scab mite —XXIV c. 3
Psoroptes equi v. ovis (Her.)
- short-nosed cattle louse —O 1
Haematopinus eurysternus (Nitz.)
- shot-hole borer —V 42 *Scolytus rugulosus* (Ratz.)
- silkworm —U 3 *Bombyx mori* (L.)
- silky ant —W 13 *Formica fusca v. subsericea* Say
- silky cane weevil —V 19 *Metamasius sericeus* (Oliv.)
- silverfish —B 1 *Lepisma saccharina* L.
- silver-spotted skipper —U 19
Epargyreus clarus (Cram.)
- sinuate pear tree borer —V 8
Agrilus sinuatus (Oliv.)
- Sitka-spruce beetle —V 42
Dendroctonus obesus (Mann.)
- Sitka-spruce weevil —V 19
Pissodes sitchensis Hopk.
- six-spotted leafhopper —QQ 6
Macrostelus fascifrons (Stål)
- six-spotted mite —XXIV d. 7
Eotetranychus sexmaculatus (Riley)
- slender duck louse —N 3
Anaticola crassicornis (Scop.)
- slender goose louse —N 3 *Anaticola anseris* (L.)
- slender guinea louse —N 3
Lipeurus numidae (Denny)
- slender guinea-pig louse —N 1
Gliricola porcelli (Schrank)
- slender pigeon louse —N 3
Columbicola columbae (L.)
- slender turkey louse —N 3
Oxylipeurus polytrapezius (Burm.)
- small chestnut weevil —V 19
Curculio auriger (Casey)
- smaller European elm bark beetle —V 42
Scolytus multistriatus (Marsh.)
- smaller Mexican pine beetle —V 42
Dendroctonus mexicanus Hopk.
- smaller yellow ant —W 13 *Lasius claviger* (Roger)

small milkweed bug —Q 9 *Lygaeus kalmii* Stål
 small pigeon louse —N 3
 Campanulotes bidentatus (Scop.)
 smartweed borer —U 42 *Pyrausta ainsliei* Heinr.
 smeared dagger moth —U 34
 Acronicta obliqua (J. E. Smith)
 smut beetle —V 39 *Phalaris politus* Melsh.
 snowball aphid —QQ 2
 Anuraphis viburnicola (Gill.)
 snowy tree cricket —H 4
 Oecanthus niveus (DeG.)
 soft scale —QQ 8 *Coccus hesperidum* L.
 solitary oak leaf miner —U 16
 Cameraria hamadryadella (Clem.)
 sorghum midge —X 19 *Contarinia sorghicola* (Coq.)
 sorghum webworm —U 34 *Celama sorghiella* (Riley)
 southern armyworm —U 34
 Prodenia eridania (Cram.)
 southern beet webworm —U 42
 Pachyzancla bipunctalis (F.)
 southern buffalo gnat —X 31
 Cnephia pecuarum (Riley)
 southern cabbageworm —U 37
 Pieris protodice B. & L.
 southern corn rootworm —V 13
 Diabrotica undecimpunctata howardi Barber
 southern cornstalk borer —U 8
 Diatraea crambidoides (Grote)
 southern fire ant —W 13
 Solenopsis xyloni McCook
 southern garden leafhopper —QQ 6
 Empoasca solana DeL.
 southern green stink bug —Q 15
 Nezara viridula (L.)
 southern house mosquito —X 8
 Culex quinquefasciatus Say
 southern lyctus beetle —V 28
 Lyctus planicollis Lec.
 southern masked chafer —V 41
 Cyclocephala immaculata (Oliv.)
 southern mole cricket —H 5
 Scapteriscus acletus R. & H.
 southern pine beetle —V 42
 Dendroctonus frontalis Zimm.
 southern pine sawyer —V 12
 Monochamus titillator (F.)
 southern red mite —XXIV d. 7
 Oligonychus ilicis (McG.)
 southwestern corn borer —U 8
 Diatraea grandiosella Dyar
 southwestern pine beetle —V 42
 Dendroctonus barberi Hopk.
 Spanish-fly —V 32 *Lytta vesicatoria* (L.)
 spice-bush swallowtail —U 33 *Papilio troilus* L.
 spinach flea beetle —V 13
 Disonychia zanthomelas (Dalm.)
 spinach leaf miner —X 21
 Pegomya hyoscyami (Panz.)
 spined rat louse —O 2 *Polyplax spinulosa* (Burm.)
 spined soldier bug —Q 15
 Podisus maculiventris (Say)
 spiny oakworm —U 4 *Anisota stigma* (F.)
 spirea aphid —QQ 2 *Aphis spiraeicola* Patch
 spotted asparagus beetle —V 13
 Crioceris duodecimpunctata (L.)
 spotted beet webworm —U 42
 Hymenia perspectalis (Hbn.)
 spotted blister beetle —V 32
 Epicauta maculata (Say)
 spotted cucumber beetle —V 13
 Diabrotica undecimpunctata howardi Barber
 spotted cutworm —U 34 *Amathes c-nigrum* (L.)
 spotted garden slug —I. 3 *Limax maximus* L.
 spotted Mediterranean roach —H 2
 Ectobius livens (Turton)
 spotted pine sawyer —V 12
 Monochamus maculosus (Hald.)

spotted tussock moth —U 2
 Halisdota maculata (Harr.)
 spotted-wing antlion —RRR 5
 Dendroleon obsoletus (Say)
 spring cankerworm —U 14
 Paleacrita vernata (Peck)
 spruce aphid —QQ 2 *Aphis abietina* Wlk.
 spruce bud moth —U 32
 Zeiraphera ratzeburgiana Sax.
 spruce bud scale —QQ 8
 Physokermes piceae (Schr.)
 spruce budworm —U 49
 Choristoneura fumiferana (Clem.)
 spruce coneworm —U 36
 Dioryctria reniculella (Grote)
 spruce needle miner —U 32
 Taniva albolineana (Kearf.)
 spruce seed moth —U 32
 Laspeyresia youngana Kearf.
 spruce spider mite —XXIV d. 7
 Oligonychus ununguis (Jac.)
 square-necked grain beetle —V 18
 Cathartus quadricollis (G.-M.)
 squash beetle —V 16 *Epilachna borealis* (F.)
 squash bug —Q 5 *Anasa tristis* (DeG.)
 squash vine borer —U 1
 Melittia cucurbitas (Harr.)
 stable fly —X 21 *Stomoxys calcitrans* (L.)
 stalk borer —U 34 *Papaipema nebris* (Guen.)
 steel-blue lady beetle —V 16
 Oreus chalybeus (Bdv.)
 sticktight flea —Y 2
 Echidnophaga gallinacea (Westw.)
 stinging rose caterpillar —U 24
 Parasa indeterminata (Bdv.)
 stink beetle —V 11 *Nomius pygmaeus* (Dej.)
 strawberry aphid —QQ 2
 Pentatrichopus fragae-folii (Ckll.)
 strawberry crown borer —V 19
 Tylosderma fragariae (Riley)
 strawberry crown miner —U 13
 Aristotelia fragariae Busck
 strawberry crown moth —U 1
 Ramosia bibionipennis (Bdv.)
 strawberry leaf roller —U 32
 Ancylics comptana fragariae (W. & R.)
 strawberry root aphid —QQ 2
 Aphis forbesi Weed
 strawberry root weevil —V 19
 Brachyrhinus ovatus (L.)
 strawberry spider mite —XXIV d. 7
 Tetranychus atlanticus McG.
 strawberry weevil —V 19 *Anthonomus signatus* Say
 strawberry whitefly —QQ 1
 Trialeurodes packardii (Morrill)
 straw itch mite —XXIV d. 4
 Pyemotes ventricosus (Newp.)
 striped alder sawfly —W 24
 Hemichroa crocea (Fqurc.)
 striped blister beetle —V 32
 Epicauta vittata (F.)
 striped cucumber beetle —V 13
 Acalymma vittata (F.)
 striped cutworm —U 34 *Euxoa tessellata* (Harr.)
 striped flea beetle —V 13
 Phyllotreta striolata (F.)
 striped garden caterpillar —U 34
 Polia legitima (Grote)
 striped horse fly —X 34 *Tabanus lineola* F.
 striped mealybug —QQ 18 *Ferrisia virgata* (Ckll.)
 suckfly —Q 10 *Cyrtopeltis minimus* (Uhl.)
 sugar-beet crown borer —U 36
 Hulestia undulata (Clem.)
 sugar-beet root aphid —QQ 2
 Pemphigus betae Doane
 sugar-beet wireworm —V 22
 Limonius californicus Mann.
 sugarcane beetle —V 41 *Eutheola rugiceps* (Lec.)

- sugarcane borer —U 8. *Diatraea saccharalis* (F.)
sugarcane bud moth —U 47. *Ereunetis flavistriata* (Wlsh.)
sugarcane leafhopper —QQ 10. *Perkinsiella saccharicida* Kirk.
sugarcane leaf roller —U 42. *Omiodes accepta* (Butl.)
sugarcane thrips —P 4. *Thrips saccharoni* Mltm.
sugar-maple borer —V 12. *Glycobius speciosus* (Say)
sugar-pine cone beetle —V 42. *Conophthorus lambertianae* Hopk.
sunflower beetle —V 13. *Zygogramma exclamatoris* (F.)
sunflower maggot —X 36. *Strauzia longipennis* (Wied.)
sunflower moth —U 36. *Homoeosoma electellum* (Hulst.)
sunflower seed midge —X 19. *Lasiopoda murtfeldtiana* Felt
Surinam roach —H 2. *Pycnoscelus surinamensis* (L.)
Swaine jack-pine sawfly —W 11. *Neodiprion swaini* Midd.
swallow bug —Q 4. *Oeciacus vicarius* Horv.
sweetclover weevil —V 19. *Sitona cylindricollis* Fahr.
sweetpotato flea beetle —V 13. *Chaetocnema confinis* Crotch
sweetpotato hornworm —U 46. *Agrius cingulatus* (F.)
sweetpotato leaf beetle —V 13. *Typophorus viridicyaneus* (Crotch)
sweetpotato leaf miner —U 26. *Bedellia orchilella* Wlsh.
sweetpotato leaf roller —U 42. *Pilocrocis tripunctata* (F.)
sweetpotato vine borer —U 42. *Omphisa anastomosalis* (Guen.)
sweetpotato weevil —V 19. *Cylas formicarius elegantulus* (Sum.)
sweetpotato whitefly —QQ 1. *Bemisia inconspicua* (Quaint.)
sycamore lace bug —Q 20. *Corythucha ciliata* (Say)
sycamore tussock moth —U 2. *Haliadota harrisii* Walsh
Tahitian coconut weevil —V 19. *Diocalandra taitensis* G.-M.
tarnished plant bug —Q 10. *Lygus lineolaris* (P. de B.)
ten-lined June beetle —V 41. *Polyphylla decem-lineata* (Say)
terrapi scale —QQ 8. *Lecanium nigrofasciatum* Perg.
Texas harvester ant —W 13. *Pogonomyrmex barbatus v. molefaciens* (Buckl.)
Texas leaf-cutting ant —W 13. *Atta texana* (Buckl.)
thief ant —W 13. *Solenopsis molesta* (Say)
thistle aphid —QQ 2. *Anuraphis cardui* (L.)
three-banded leafhopper —QQ 6. *Erythroneura tricolorata* Fitch
three-cornered alfalfa hopper —QQ 16. *Spissistilus festinus* (Say)
three-lined potato beetle —V 13. *Lema trilineata* (Oliv.)
three-spotted flea beetle —V 13. *Disonychia triangularis* (Say)
three-striped blister beetle —V 32. *Epicauta lemniscata* (F.)
throat bot fly —X 15. *Gasterophilus nasalis* (L.)
thurberia weevil —V 19. *Anthonomus grandis thurberiae* Pierce
tiger swallowtail —U 33. *Papilio glaucus* L.
tile-horned prionus —V 12. *Prionus imbricornis* (L.)
tip-dwarf mite —XXIV d. 2. *Eriophyes thujae* Gar.
toad bug —Q 7. *Gelastocoris oculatus* (F.)
tobacco budworm —U 34. *Heliothis virescens* (F.)
tobacco flea beetle —V 13. *Epitrix hirtipennis* (Melsh.)
tobacco hornworm —U 46. *Protoparce sexta* (Johan.)
tobacco moth —U 36. *Ephestia elutella* (Hbn.)
tobacco stalk borer —V 19. *Trichobaris mucorea* (Lec.)
tobacco thrips —P 4. *Frankliniella fusca* (Hinds)
tobacco wireworm —V 22. *Conoderus vespertinus* (F.)
tomato fruitworm —U 34. *Heliothis zea* (Boddie)
tomato hornworm —U 46. *Protoparce quinquemaculata* (Haw.)
tomato pinworm —U 13. *Keiferia lycopersicella* (Busck)
tomato psyllid —QQ 19. *Paratriosa cockerelli* (Sulc)
tomato russet mite —XXIV d. 2. *Vasates lycopersici* (Massee)
toothed flea beetle —V 13. *Chaetocnema denticulata* (Ill.)
transverse lady beetle —V 16. *Coccinella transversoguttata* Fald.
tropical fowl mite —XXIV b. 1. *Bdellonyssus bursa* (Berl.)
tropical horse tick —XXIV a. 2. *Dermacentor nitens* Neum.
tropical rat louse —O 2. *Hoplopleura oenomydis* Ferris
tropical rat mite —XXIV b. 1. *Bdellonyssus bacoti* (Hirst)
tuber flea beetle —V 13. *Epitrix tuberis* Gent.
tule beetle —V 11. *Agonum maculicollis* Dej.
tulip bulb aphid —QQ 2. *Anuraphis tulipae* (Fonsc.)
tuliptree aphid —QQ 2. *Macrosiphum liriodendri* (Monell)
tuliptree scale —QQ 8. *Toumeyella liriodendri* (Gmel.)
tupelo leaf miner —U 17. *Antispila nysaeifoliella* Clem.
turkey gnat —X 31. *Simulium meridionale* Riley
turnip aphid —QQ 2. *Rhopalosiphum pseudobrassicae* (Davis)
turnip maggot —X 21. *Hyalemya floralis* (Fall.)
twice-stabbed lady beetle —V 16. *Chilocorus stigma* (Say)
twig girdler —V 12. *Oncideres cingulata* (Say)
twig pruner —V 12. *Elaphidion villosum* (F.)
two-lined chestnut borer —V 8. *Agrius bilineatus* (Web.)
two-marked treehopper —QQ 16. *Enchenopa binotata* (Say)
two-spotted lady beetle —V 16. *Adalia bipunctata* (L.)
two-spotted spider mite —XXIV d. 7. *Tetranychus telarius* (L.)
two-spotted stink bug —Q 15. *Perillus bioculatus* (F.)
two-striped grasshopper —H 1. *Melanoplus bivittatus* (Say)
two-striped walkingstick —H 7. *Anisomorpha buprestoides* (Stoll)
ugly-nest caterpillar —U 49. *Archips cerasivorana* (Fitch)
unicorn caterpillar —U 29. *Schizura unicornis* (J. E. Smith)
vagabond crambus —U 8. *Crambus vulgivagellus* Clem.
variable oak leaf caterpillar —U 29. *Heterocampa manteo* (Dblly.)
varied carpet beetle —V 20. *Anthrenus verbasci* (L.)
variegated cutworm —U 34. *Peridroma margaritosa* (Haw.)
vedalia —V 16. *Rodolia cardinalis* (Muls.)
vegetable weevil —V 19. *Listroderes costirostris obliquus* (Klug)
velvetbean caterpillar —U 34. *Anticarsia gemmatilis* Hbn.

verbena bud moth —U 32
Endothenia hebesana (Wlk.)
 vetch bruchid —V 7 *Bruchus brachialis* Fahr.
 viburnum aphid —QQ 2
Anuraphis viburniphila (Patch)
 viceroy —U 31 *Limenitis archippus* (Cram.)
 violet aphid —QQ 2 *Micromyzus violae* (Perg.)
 violet sawfly —W 24 *Ametastegia pallipes* (Spin.)
 Virginia-creeper leafhopper —QQ 6
Erythroneura ziczac (Walsh)
 Virginia-creeper sphinx —U 46
Ampeloeca myron (Cram.)
 walkingstick —H 7
Diapheromera femorata (Say)
 walnut aphid —QQ 2
Chromaphis juglandicola (Kltb.)
 walnut blister mite —XXIV d. 2
Aceria erinea (Nal.)
 walnut caterpillar —U 29
Datana integerrima G. & R.
 walnut husk fly —X 36 *Rhagoletis completa* Cress.
 walnut scale —QQ 11
Aspidiotus juglans-regiae Comst.
 walnut sphinx —U 46
Cressonia juglandis (J. E. Smith)
 watercress leaf beetle —V 13
Phaedon aeruginosus Suffr.
 watercress sowbug —II. 1
Lirceus brachyurus (Harger)
 waterlily aphid —QQ 2
Rhopalosiphum nymphaeae (L.)
 waterlily leaf beetle —V 13
Galerucella nymphaeae (L.)
 waterlily leaf cutter —U 42
Nymphula oblitteralis (Wlk.)
 webbing clothes moth —U 47
Tineola bisselliella (Hum.)
 western balsam bark beetle —V 42
Dryocoetes confusus Swaine
 western black flea beetle —V 13
Phyllotreta pusilla Horn
 western bean cutworm —U 34
Lozafrotis albicosta (Sm.)
 western cedar borer —V 8
Trachykele blondeli Marseul
 western chicken flea —Y 1
Ceratophyllus niger Fox
 western chinch bug —Q 9 *Blissus occiduus* Barber
 western corn rootworm —V 13
Diabrotica virgifera Lec.
 western field wireworm —U 22
Limonius infuscatus Mots.
 western grape leaf skeletonizer —U 50
Harrisina brillians B. & McD.
 western grape rootworm —V 13
Adoxus obscurus (L.)
 western harvester ant —W 13
Pogonomyrmex occidentalis (Cress.)
 western hemlock looper —U 14
Lambdina fuscicollis lugubrosa (Hulst)
 western oak looper —U 14
Lambdina fuscicollis somnaria (Hulst)
 western peach tree borer —U 1
Sanninoidea exitiosa graefi (Hy. Edw.)
 western pine beetle —V 42
Dendroctonus brevicornis Lec.
 western potato flea beetle —V 13
Epitrix subcrinita (Lec.)
 western raspberry fruitworm —V 9
Byturus bakeri Barber
 western spotted cucumber beetle —V 13
Diabrotica undecimpunctata Mann.
 western striped cucumber beetle —V 13
Acalymma trivittata (Mann.)
 western striped flea beetle —V 13
Phyllotreta ramosa (Crotch)
 western tent caterpillar —U 22
Malacosoma plumiale (Dyar)

western thatching ant —W 13
Formica rufa obscuripes Forel
 western tree-hole mosquito —X 8
Aedes varipalpus (Coq.)
 western tussock moth —U 25
Hemerocampa vetusta (Bdv.)
 western w-marked cutworm —U 34
Spaelotis haviata (Grote)
 western yellow-striped armyworm —U 34
Prodenia praefica Grote
 West Indian cane weevil —V 19
Metamasius hemipterus (L.)
 West Indian fruit fly —X 36
Anastrepha mombrinaepraeoptans Sehn
 West Indian sweetpotato weevil —V 19
Euscepes postfasciatus (Fairm.)
 wharf borer —V 36 *Nacerdes melanura* (L.)
 wheat curl mite —XXIV d. 2 *Aceria tulipae* (Keif.)
 wheat head armyworm —U 34
Faronta diffusa (Wlk.)
 wheat jointworm —W 12 *Harmolita tritici* (Fitch)
 wheat midge —X 19 *Sitodiplosis mosellana* (Gehin)
 wheat stem maggot —X 7
Meromyza americana Fitch
 wheat stem sawfly —W 5 *Cephus cinctus* Nort.
 wheat straw-worm —W 12
Harmolita grandis (Riley)
 wheat wireworm —V 22 *Agriotes mancus* (Say)
 wheel bug —Q 18 *Arilus cristatus* (L.)
 white apple leafhopper —QQ 6
Typhlocyba pomaria McA.
 white cutworm —U 34 *Euxoa scandens* (Riley)
 white-fringed beetles —V 19 *Graphognathus* spp.
 white-lined sphinx —U 46 *Celerio lineata* (F.)
 white-marked spider beetle —V 40 *Ptinus fur* L.
 white-marked tussock moth —U 25
Hemerocampa leucostigma (J. E. Smith)
 white peach scale —QQ 11
Pseudaulacaspis pentagona (Targ.)
 white-pine aphid —QQ 2 *Cinara strobis* (Fitch)
 white-pine cone beetle —V 42
Conophthorus coniperda (Schw.)
 white-pine sawfly —W 11
Neodiprion pinetum (Nort.)
 white-pine weevil —V 19 *Pissodes strobis* (Peck)
 white-spotted sawyer —V 12
Monochamus scutellatus (Say)
 willow flea weevil —V 19
Rhynchaenus rufipes (Lec.)
 willow sawfly —W 24 *Nematus ventralis* Say
 willow shoot sawfly —W 5 *Janus abbreviatus* (Say)
 wing louse —N 3 *Lipeurus caponis* (L.)
 winter grain mite —XXIV d. 3
Penthaeus major (Dugès)
 winter moth —U 14 *Operophtera brumata* (L.)
 winter tick —XXIV a. 2
Dermacentor albipictus (Pack.)
 w-marked cutworm —U 34
Spaelotis clandestina (Harr.)
 woolly alder aphid —QQ 2
Prociphilus tessellatus (Fitch)
 woolly apple aphid —QQ 2
Eriosoma lanigerum (Hausm.)
 woolly elm aphid —QQ 2
Eriosoma americanum (Riley)
 woolly pear aphid —QQ 2
Eriosoma pyricola Baker
 woolly whitefly —QQ 1
Aleurothrixus floccosus (Mask.)
 yellow fever mosquito —X 8 *Aedes aegypti* (L.)
 yellow-headed cutworm —U 34
Apamea amputatrix (Fitch)
 yellow-headed fireworm —U 49
Acleris minuta (Rob.)
 yellow-headed leafhopper —QQ 6
Carneocephala flaviceps (Riley)
 yellow-headed spruce sawfly —W 24
Pikonema alaskensis (Roh.)

yellow-margined leaf beetle —V 13
Microtheca ochroloma Stål
 yellow mealworm —V 46 *Tenebrio molitor* L.
 yellow-necked caterpillar —U 29
Datana ministra (Drury)
 yellow rose aphid —QQ 2 *Myzus porosus* Sanderson
 yellow scale —QQ 11 *Aonidiella citrina* (Coq.)
 yellow spider mite —XXIV d. 7
Eotetranychus carpini borealis (Ewing)
 yellow-striped armyworm —U 34
Prodenia ornithogalli Guen.

yellow sugarcane aphid —QQ 2
Sipha flava (Forbes)
 yellow woollybear —U 2 *Diacrisia virginica* (F.)
 Yosemite bark weevil —V 19
Pissodes yosemitae Hopk.
 yucca moth —U 38 *Tegeticula yuccasella* (Riley)
 yucca plant bug —Q 10 *Halticotoma valida* Reut.
 zebra caterpillar —U 34 *Ceramica picta* (Harr.)
 Zimmerman pine moth —U 36
Dioryctria zimmermani (Grote)

II. INSECTS LISTED BY SCIENTIFIC NAMES

Abacarus hystrix (Nal.) —XXIV d. 2
 grain rust mite
Acalymma trivittata (Mann.) —V 13
 western striped cucumber beetle
Acalymma vittata (F.) —V 13
 striped cucumber beetle
Acantholyda erythrocephala (L.) —W 18
 pine false webworm
Acanthoscelides obtectus (Say) —V 7 bean weevil
Acarus siro L. —XXIV c. 1 grain mite
Aceratagalla sanguinolenta (Prov.) —QQ 6
 clover leafhopper
Aceria caryae (Keif.) —XXIV d. 2
 pecan leafroll mite
Aceria erinea (Nal.) —XXIV d. 2
 walnut blister mite
Aceria essigi (Hassan) —XXIV d. 2
 redberry mite
Aceria ficus (Cotte) —XXIV d. 2 fig mite
Aceria sheldoni (Ewing) —XXIV d. 2
 citrus bud mite
Aceria tulipae (Keif.) —XXIV d. 2
 wheat curl mite
Aceria vaccinii (Keif.) —XXIV d. 2
 blueberry bud mite
Achatodes zeae (Harr.) —U 34 elder shoot borer
Acheta assimilis F. —H 4 field cricket
Acheta domestica (L.) —H 4 house cricket
Achroia grisella (F.) —U 12 lesser wax moth
Acleris minuta (Rob.) —U 49
 yellow-headed fireworm
Acleris variana (Fern.) —U 49
 black-headed budworm
Acrobasis betulella Hulst —U 36 birch tube maker
Acrobasis caryae Grote —U 36
 pecan nut casebearer
Acrobasis indigenella (Zell.) —U 36 leaf crumpler
Acrobasis juglandis (LeB.) —U 36
 pecan leaf casebearer
Acrobasis vaccinii Riley —U 36
 cranberry fruitworm
Acrionicta americana (Harr.) —U 34
 American dagger moth
Acrionicta lepusculina Guen. —U 34
 cottonwood dagger moth
Acrionicta oblonga (J. E. Smith) —U 34
 smeared dagger moth
Acrosternum hilare (Say) —Q 15 green stink bug
Actebia fennica (Tausch.) —U 34
 black army cutworm
Actias luna (L.) —U 43 luna moth
Adalia bipunctata (L.) —V 16
 two-spotted lady beetle
Adelphocoris lineolatus (Goeze) —Q 10
 alfalfa plant bug
Adelphocoris rapidus (Say) —Q 10 rapid plant bug
Adoretus sinicus Burm. —V 41 Chinese rose beetle
Adoxus obscurus (L.) —V 13
 western grape rootworm
Aedes aboriginis Dyar —X 8
 northwest coast-mosquito
Aedes aegypti (L.) —X 8 yellow-fever mosquito
Aedes cantator (Coq.) —X 8
 brown salt-marsh mosquito

Aedes sollicitans (Wlk.) —X 8
 salt-marsh mosquito
Aedes squamiger (Coq.) —X 8
 California salt-marsh mosquito
Aedes sticticus (Meig.) —X 8 floodwater mosquito
Aedes varipalpus (Coq.) —X 8
 western tree-hole mosquito
Aegeria apiformis (Clerck) —U 1 hornet moth
Agasphaerops nigra Horn —V 19 lily weevil
Agonoderus lecontei Chaud. —V 11 seed-corn beetle
Agonum maculicollis Dej. —V 11 tulle beetle
Agrilus anxius Gory —V 8 bronze birch borer
Agrilus bilineatus (Web.) —V 8
 two-lined chestnut borer
Agrilus liragus (B. & B.) —V 8 bronze poplar borer
Agrilus rubicola Abeille —V 8 rose stem girdler
Agrilus ruficollis (F.) —V 8 red-necked cane borer
Agrilus sinuatus (Oliv.) —V 8
 sinuate pear tree borer
Agriotes mancus (Say) —V 22 wheat wireworm
Agrius cingulatus (F.) —U 46
 sweetpotato hornworm
Agromyza parvicornis Loew —X 1
 corn blotch leaf miner
Agrotis malefida Guen. —U 34 pale-sided cutworm
Agrotis orthogonia Morr. —U 34
 pale western cutworm
Agrotis ypsilon (Rott.) —U 34 black cutworm
Alabama argillacea (Hbn.) —U 34
 cotton leafworm
Alaus oculatus (L.) —V 22 eyed click beetle
Aleurocanthus woglumi Ashby —QQ 1
 citrus blackfly
Aleurothrixus floccosus (Mask.) —QQ 1
 woolly whitefly
Aleyrodes azaleae B. & M. —QQ 1 azalea whitefly
Allantus cinctus (L.) —W 24 curled rose sawfly
Alniphagus aspericollis (Lec.) —V 42
 alder bark beetle
Alphitobius diaperinus (Panz.) —V 46
 lesser mealworm
Alsophila pomataria (Harr.) —U 14
 fall cankerworm
Altica ambiens (Lec.) —V 13 alder flea beetle
Altica canadensis (Gent.) —V 13
 prairie flea beetle
Altica chalybea (Ill.) —V 13 grape flea beetle
Alypia octomaculata (F.) —U 34
 eight-spotted forester
Amathes c-nigrum (L.) —U 34 spotted cutworm
Amblyomma americanum (L.) —XXIV a. 2
 lone star tick
Amblyomma cajennense (F.) —XXIV a. 2
 Cayenne tick
Amblyomma maculatum Koch —XXIV a. 2
 Gulf Coast tick
Amblyomma tuberculatum Marx —XXIV a. 2
 gopher-tortoise tick
Ametastegia glabrata (Fall.) —W 24 dock sawfly
Ametastegia pallipes (Spin.) —W 24 violet sawfly
Amorbia emigratella Busck —U 49
 Mexican leaf roller
Ampeloeca myron (Cram.) —U 46
 Virginia-creeper sphinx

Ampelogypter sesostris (Lec.) — V 19 grape cane gall maker
Amphicerus bicaudatus (Say) — V 5 apple twig borer
Amphimallon majalis (Raz.) — V 41 European chafer
Anabrus simplex Hald. — H 9 Mormon cricket
Anagasta kühnliella (Zell.) — U 36 Mediterranean flour moth
Anagrapha falcifera (Kby.) — U 34 celery looper
Anaphothrips obscurus (Müll.) — P 4 grass thrips
Anarsia lineatella Zell. — U 13 peach twig borer
Anasa armigera (Say) — Q 5 horned squash bug
Anasa tristis (DeG.) — Q 5 squash bug
Anastrepha ludens (Loew) — X 36 Mexican fruit fly
Anastrepha mombinpraeoptans Sein — X 36 West Indian fruit fly
Anaticola anseris (L.) — N 3 slender goose louse
Anaticola crassicornis (Scop.) — N 3 slender duck louse
Anavitrinella pampinaria (Guen.) — U 14 cranberry spanworm
Ancyliis comptana fragariae (W. & R.) — U 32 strawberry leaf roller
Anisomorpha buprestoides (Stoll) — H 7 two-striped walkingstick
Anisota rubicunda (F.) — U 4 green-striped mapleworm
Anisota senatoria (J. E. Smith) — U 4 orange-striped oakworm
Anisota stigma (F.) — U 4 spiny oakworm
Anomala obliqua Horn — V 41 pine chafer
Anomala orientalis Waterh. — V 41 oriental beetle
Anopheles quadrimaculatus Say — X 8 common malaria mosquito
Antheraea polyphemus (Cram.) — U 43 polyphemus moth
Anthonomus eugeni Cano — V 19 pepper weevil
Anthonomus grandis Boh. — V 19 boll weevil
Anthonomus grandis thurberiae Pierce — V 19 thurberia weevil
Anthonomus hirsutus Bruner — V 19 sand cherry weevil
Anthonomus musculus Say — V 19 cranberry weevil
Anthonomus scutellaris Lec. — V 19 plum gouger
Anthonomus signatus Say — V 19 strawberry weevil
Anthophila pariana (Clerck) — U 15 apple and thorn skeletonizer
Anthrenus flavipes Lec. — V 20 furniture carpet beetle
Anthrenus scrophulariae (L.) — V 20 carpet beetle
Anthrenus verbasci (L.) — V 20 varied carpet beetle
Anticarsia gemmatilis Hbn. — U 34 velvetbean caterpillar
Antispila nysaeoliella Clem. — U 17 tupelo leaf miner
Antonina graminis (Mask.) — QQ 18 Rhodes-grass scale
Anuraphis bakeri (Cowen) — QQ 2 clover aphid
Anuraphis cardui (L.) — QQ 2 thistle aphid
Anuraphis maidi-radicis (Forbes) — QQ 2 corn root aphid
Anuraphis persicae-niger (Smith) — QQ 2 black peach aphid
Anuraphis roseus Baker — QQ 2 rosy apple aphid
Anuraphis tulipae (Fonac.) — QQ 2 tulip bulb aphid
Anuraphis viburnicola (Gill.) — QQ 2 snowball aphid
Anuraphis viburniphila (Patch) — QQ 2 viburnum aphid
Aonidiella aurantii (Mask.) — QQ 11 California red scale
Aonidiella citrina (Coq.) — QQ 11 yellow scale

Apamea amputatrix (Fitch) — U 34 yellow-headed cutworm
Aphis abbreviata Patch — QQ 2 buckthorn aphid
Aphis abietina Wlk. — QQ 2 spruce aphid
Aphis citricidus (Kirk.) — QQ 2 brown citrus aphid
Aphis fabae Scop. — QQ 2 bean aphid
Aphis forbesi Weed — QQ 2 strawberry root aphid
Aphis gossypii Glov. — QQ 2 cotton aphid, melon aphid
Aphis hederæ Klth. — QQ 2 ivy aphid
Aphis illinoisensis Shimer — QQ 2 grapevine aphid
Aphis medicaginis Koch — QQ 2 cowpea aphid
Aphis pomi DeG. — QQ 2 apple aphid
Aphis spiraeola Patch — QQ 2 spirea aphid
Aphrophora parallela (Say) — QQ 4 pine spittlebug
Aphrophora saratogensis (Fitch) — QQ 4 Saratoga spittlebug
Apis mellifera L. — W 3 honey bee
Araecerus fasciculatus (DeG.) — V 3 coffee bean weevil
Archips argyrospila (Wlk.) — U 49 fruit tree leaf roller
Archips cerasivorana (Fitch) — U 49 ugly-nest caterpillar
Archips confictana (Wlk.) — U 49 large aspen tortrix
Archips rosaceana (Harr.) — U 49 oblique-banded leaf roller
Argas persicus (Oken) — XXIV a. 1 fowl tick
Arge pectoralis (Leach) — W 24 birch sawfly
Argyresthia conjugella Zell. — U 20 apple fruit moth
Argyresthia thuiella (Pack.) — U 20 arborvitae leaf miner
Argyrotaenia citrana (Fern.) — U 49 orange tortrix
Argyrotaenia juglandana (Fern.) — U 49 hickory leaf roller
Argyrotaenia mariana (Fern.) — U 49 gray-banded leaf roller
Argyrotaenia pinatubana (Kearf.) — U 49 pine tube moth
Argyrotaenia velutinana (Wlk.) — W 49 red-banded leaf roller
Arilus cristatus (L.) — Q 18 wheel bug
Aristotelia fragariae Busck — U 13 strawberry crown miner
Aroga websteri Clarke — U 13 sagebrush defoliator
Arrhenodes minutus (Drury) — V 6 oak timberworm
Asarcopus palmarum Horv. — QQ 14 datebug
Asphondylia websteri Felt — X 19 alfalfa gall midge
Aspidiotus ancyllus (Putn.) — QQ 11 Putnam scale
Aspidiotus britannicus Newst. — QQ 11 holly scale
Aspidiotus californicus Colm. — QQ 11 black pine leaf scale
Aspidiotus camelliae Sign. — QQ 11 greedy scale
Aspidiotus destructor Sign. — QQ 11 coconut scale
Aspidiotus forbesi Johns. — QQ 11 Forbes scale
Aspidiotus hederæ (Vallot) — QQ 11 oleander scale
Aspidiotus howardi Ckll. — QQ 11 Howard scale
Aspidiotus ithacæ (Ferris) — QQ 11 hemlock scale
Aspidiotus juglans-regiae Comst. — QQ 11 walnut scale
Aspidiotus ostryaeformis Curt. — QQ 11 European fruit scale
Aspidiotus perniciosus Comst. — QQ 11 San Jose scale
Aspidiotus uvæ Comst. — QQ 11 grape scale
Asterolecanium variolosum (Ratz.) — QQ 3 golden oak scale
Atta texana (Buckl.) — W 13 Texas leaf-cutting ant
Attagenus piceus (Oliv.) — V 20 black carpet beetle
Attea aurea (Fitch) — U 20 alanthus webworm
Aulacaspis rosæ (Bouché) — QQ 11 rose scale
Autographa californica (Speyer) — U 34 alfalfa looper

- Automeria io* (F.) —U 43 io moth
Autoplusia egea (Guen.) —U 34 bean leaf skeletonizer
Autoserica castanea (Arrow) —V 41 Asiatic garden beetle
Baliosus ruber (Web.) —V 13 basswood leaf miner
Battus philenor (L.) —U 33 pipevine swallowtail
Bdellonyssus bacoti (Hirst) —XXIV b. 1 tropical rat mite
Bdellonyssus bursa (Berl.) —XXIV b. 1 tropical fowl mite
Bdellonyssus sylviarum (C. & F.) —XXIV b. 1 northern fowl mite
Bedellia orchilella Wlsh. —U 26 sweetpotato leaf miner
Bedellia sommulentella (Zell.) —U 26 morning-glory leaf miner
Bembecia marginata (Harr.) —U 1 raspberry root borer
Bemisia inconspicua (Quaint.) —QQ 1 sweetpotato whitefly
Biston cognataria (Guen.) —U 14 pepper and salt moth
Blastophaga psenes (L.) —W 1 fig wasp
Blatta orientalis L. —H 2 oriental cockroach
Blattella germanica (L.) —H 2 German cockroach
Blissus leucopterus (Say) —Q 9 chinch bug
Blissus leucopterus hirtus (Montd.) —Q 9 hairy chinch bug
Blissus occiduus Barber —Q 9 western chinch bug
Bombyx mori (L.) —U 3 silkworm
Boophilus annulatus (Say) —XXIV a. 2 cattle tick
Bourletiella hortensis (Fitch) —D 5 garden springtail
Bovicola bovis (L.) —N 4 cattle biting louse
Bovicola caprae (Gurlt) —N 4 goat biting louse
Bovicola equi (L.) —N 4 horse biting louse
Bovicola limbatus (Gerv.) —N 4 angora goat biting louse
Bovicola ovis (L.) —N 4 sheep biting louse
Brachyrhinus ligustici (L.) —V 19 alfalfa snout beetle
Brachyrhinus ovatus (L.) —V 19 strawberry root weevil
Brachyrhinus sulcatus (F.) —V 19 black vine weevil
Brachystola magna (Gir.) —H 1 lubber grasshopper
Bregmatothrips iridis Watson —P 4 iris thrips
Brevicoryne brassicae (L.) —QQ 2 cabbage aphid
Brevipalpus inornatus (Banks) —XXIV d. 6 privet mite
Bruchophagus gibbus (Boh.) —W 12 clover seed chalcid
Bruchus brachialis Fahr. —V 7 vetch bruchid
Bruchus pisorum (L.) —V 7 pea weevil
Bruchus rufimanus Boh. —V 7 broadbean weevil
Bryobia praetiosa Koch —XXIV d. 7 clover mite
Bucculatrix ainaliella Murtf. —U 26 oak skeletonizer
Bucculatrix canadensisella Chamb. —U 26 birch skeletonizer
Bucculatrix thurberiella Busck —U 26 cotton leaf perforator
Byturus bakeri Barber —V 9 western raspberry fruitworm
Byturus rubi Barber —V 9 eastern raspberry fruitworm
Caenurgina crassiuscula (Haw.) —U 34 clover looper
Caenurgina erecta (Cram.) —U 34 forage looper
Calendra aequalis (Gyll.) —V 19 clay-colored billbug
Calendra maidis (Chitt.) —V 19 maize billbug
Caliroa cerasi (L.) —W 24 pear-slug
Calligrapha scalaris (Lec.) —V 13 elm calligrapha
Callitroga hominivorax (Cqrl.) —X 5 screw-worm
Callitroga macellaria (F.) —X 5 secondary screw-worm
Calloptistria floridensis (Guen.) —U 34 Florida fern caterpillar
Callosamia promethea (Drury) —U 43 promethea moth
Callosobruchus maculatus (F.) —V 7 cowpea weevil
Calosoma calidum (F.) —V 11 fiery hunter
Calpodes ethlius (Stoll) —U 19 larger canna leaf roller
Cameraria cincinnatiella (Chamb.) —U 16 gregarious oak leaf miner
Cameraria hamadryadella (Clem.) —U 16 solitary oak leaf miner
Camnula pellucida (Scudd.) —H 1 clear-winged grasshopper
Campanulotes bidentatus (Scop.) —N 3 small pigeon louse
Camponotus abdominalis floridanus (Buckl.) —W 13 Florida carpenter ant
Camponotus herculeanus pennsylvanicus (DeG.) —W 13 black carpenter ant
Camponotus herculeanus pennsylvanicus ferrugineus (F.) —W 13 red carpenter ant
Capitophorus ribis (L.) —QQ 2 currant aphid
Carneocephala flaviceps (Riley) —QQ 6 yellow-headed leafhopper
Carpocapsa pomonella (L.) —U 32 codling moth
Carpoglyphus lactis (L.) —XXIV c. 2 dried-fruit mite
Carpophilus dimidiatus (F.) —V 35 corn sap beetle
Carpophilus hemipterus (L.) —V 35 dried-fruit beetle
Cathartus quadricollis (G. - M.) —V 18 square-necked grain beetle
Caulocampus acericaulis (MacG.) —W 24 maple petiole borer
Caulophilus latenasus (Say) —V 19 broad-nosed grain weevil
Cecidophyes gossypii (Banks) —XXIV d. 2 cotton blister mite
Cecidophyes ribis (Nal.) —XXIV d. 2 currant bud mite
Celama sorghiella (Riley) —U 34 sorghum webworm
Celerio lineata (F.) —U 46 white-lined sphinx
Cephus cinctus Nort. —W 5 wheat stem sawfly
Cephus pygmaeus (L.) —W 5 European wheat stem sawfly
Cephus tabidus (F.) —W 5 black grain stem sawfly
Ceramica picta (Harr.) —U 34 zebra caterpillar
Ceratitidis capitata (Wied.) —X 36 Mediterranean fruit fly
Ceratonia amyntor (Hbn.) —U 46 elm sphinx
Ceratonia catalpae (Bdv.) —U 46 catalpa sphinx
Ceratophyllus gallinae (Schr.) —Y 1 European chicken flea
Ceratophyllus niger Fox —Y 1 western chicken flea
Cerodontha dorsalis (Loew) —X 1 grass sheath miner
Ceroplastes cirripediformis Comst. —QQ 8 barnacle scale
Ceroplastes floridensis Comst. —QQ 8 Florida wax scale
Ceroplastes rubens Mask. —QQ 8 red wax scale
Cerotoma trifurcata (Forst.) —V 13 bean leaf beetle
Ceutorhynchus assimilis (Payk.) —V 19 cabbage seedpod weevil
Ceutorhynchus quadridens (Panz.) —V 19 cabbage seedstalk curculio
Ceutorhynchus rapae Gyll. —V 19 cabbage curculio
Chaetocnema confinis Crotch —V 13 sweetpotato flea beetle
Chaetocnema denticulata (Ill.) —V 13 toothed flea beetle
Chaetocnema ectypa Horn —V 13 desert corn flea beetle

Chaetocnema pulicaria Melsh. —V 13 corn flea beetle
Chalcodermus aeneus Boh. —V 19 cowpea curculio
Chalepus dorsalis Thunb. —V 13 locust leaf miner
Chaoborus astictopus D. & S. —X 8 Clear Lake gnat
Chelopistes meleagridis (L.) —N 3 large turkey louse
Chelymorpha cassidea (F.) —V 13 argus tortoise beetle
Chermes abietis L. —QQ 5 eastern spruce gall aphid
Chermes cooleyi Gill. —QQ 5 Cooley spruce gall aphid
Chilo plejadellus Zinck. —U 8 rice stalk borer
Chilo suppressalis (Wlk.) —U 8 Asiatic rice borer
Chilocorus stigma (Say) —V 16 twice-stabbed lady beetle
Chion cinctus (Drury) —V 12 banded hickory borer
Chionaspis americana Johns. —QQ 11 elm scurfy scale
Chionaspis corni Cooley —QQ 11 dogwood scale
Chionaspis furfura (Fitch) —QQ 11 scurfy scale
Chlamydatus associatus (Uhl.) —Q 10 ragweed plant bug
Chlorochroa ligata (Say) —Q 15 Say stink bug
Chlorochroa sayi Stål —Q 15 Say stink bug
Choristoneura fumiferana (Clem.) —U 49 spruce budworm
Choristoneura pinus Free. —U 49 jack-pine budworm
Chorizagrotis auxiliaris (Grote) —U 34 army cutworm
Chortophaga viridifasciata (DeG.) —H 1 green meadow locust
Chromaphis juglandicola (Kltb.) —QQ 2 walnut aphid
Chrysobothris femorata (Oliv.) —V 8 flatheaded apple tree borer
Chrysobothris mali Horn —V 8 Pacific flatheaded borer
Chrysobothris tranquebarica (Gmel.) —V 8 Australian-pine borer
Chrysomela scripta F. —V 13 cottonwood leaf beetle
Chrysomela tremula F. —V 13 aspen leaf beetle
Chrysomphalus anoidum (L.) —QQ 11 Florida red scale
Chrysomphalus dictyospermi (Morg.) —QQ 11 dictyospermum scale
Chrysomphalus obscurus (Comst.) —QQ 11 obscure scale
Chrysomphalus tenebricosus (Comst.) —QQ 11 gloomy scale
Chrysopa oculata Say —RRR 1 golden-eye lacewing
Cimex americana Leach —W 8 elm sawfly
Cimex lectularius L. —Q 4 bed bug
Cinara fornacula Hottes —QQ 2 green spruce aphid
Cinara laticis (Htg.) —QQ 2 larch aphid
Cinara strobili (Fitch) —QQ 2 white-pine aphid
Cingilia catenaria (Drury) —U 14 chain-spotted geometer
Circulifer tenellus (Baker) —QQ 6 beet leafhopper
Citheronia regalis (F.) —U 4 hickory horned devil, regal moth
Cladius isomerus Nort. —W 24 bristly rose-slug
Clastoptera proteus Fitch —QQ 4 dogwood spittlebug
Clytoleptus albofasciatus (C. & G.) —V 12 grape trunk borer
Cnephasia longana (Haw.) —U 49 omnivorous leaf tier
Cnephia pecuarum (Riley) —X 31 southern buffalo gnat
Cnidocampa flavescens (Wlk.) —U 24 oriental moth
Coccinella transversoguttata Fald. —V 16 transverse lady beetle
Coccus hesperidum L. —QQ 8 soft scale
Coccus pseudomagnoliarum (Kuw.) —QQ 8 citricola scale
Coccus viridis (Green) —QQ 8 green scale

Colaspis flavida (Say) —V 13 grape colaspis
Coleophora caryaefoliella Clem. —U 5 pecan cigar casebearer
Coleophora laricella (Hbn.) —U 5 larch casebearer
Coleophora limosipennella (Dup.) —U 5 elm casebearer
Coleophora malivorella Riley —U 5 pistol casebearer
Coleophora occidentis Zell. —U 5 cigar casebearer
Coleophora pruniella Clem. —U 5 cherry casebearer
Coleophora salmani Heinr. —U 5 birch casebearer
Colias philodice eurytheme Bdv. —U 37 alfalfa caterpillar
Colias philodice philodice Latr. —U 37 clouded sulphur
Colladonus clitellarius (Say) —QQ 6 saddled leafhopper
Colladonus montanus (Van D.) —QQ 6 mountain leafhopper
Colopha ulmicola (Fitch) —QQ 2 elm cockscomb gall
Coloradia pandora Blake —U 43 pandora moth
Columbicola columbae (L.) —N 3 slender pigeon louse
Conoderus amplicollis (Gyll.) —V 22 Gulf wireworm
Conoderus vespertinus (F.) —V 22 tobacco wireworm
Conophthorus corniperda (Schw.) —V 42 white-pine cone beetle
Conophthorus contortae Hopk. —V 42 lodgepole cone beetle
Conophthorus edulis Hopk. —V 42 piñon cone beetle
Conophthorus lambertianae Hopk. —V 42 sugar-pine cone beetle
Conophthorus ponderosae Hopk. —V 42 ponderosa-pine cone beetle
Conophthorus radiatae Hopk. —V 42 Monterey-pine cone beetle
Conophthorus resinosae Hopk. —V 42 red-pine cone beetle
Conotrachelus crataegi Walsh —V 19 quince curculio
Conotrachelus nenuphar (Hbst.) —V 19 plum curculio
Contarinia johnsoni (Sling.) —X 19 grape blossom midge
Contarinia pyrivora (Riley) —X 19 pear midge
Contarinia sorghicola (Coq.) —X 19 sorghum midge
Coptodisca splendoriferella (Clem.) —U 17 resplendent shield bearer
Coptotermes formosanus Shiraki —K 3 Formosan subterranean termite
Corimelaena pulicaria (Germ.) —Q 15 negro bug
Corthylus columbianus Hopk. —V 42 Columbian timber beetle
Corydalis cornutus (L.) —R 1 dobsonfly, hellgrammite
Corythucha arcuata (Say) —Q 20 oak lace bug
Corythucha celtidis O. & D. —Q 20 hackberry lace bug
Corythucha ciliata (Say) —Q 20 sycamore lace bug
Corythucha cydonias (Fitch) —Q 20 hawthorn lace bug
Corythucha gossypii (F.) —Q 20 cotton lace bug
Corythucha marmorata (Uhl.) —Q 20 chrysanthemum lace bug
Corythucha ulmi O. & D. —Q 20 elm lace bug
Cosmopolites sordidus (Germ.) —V 19 banana root borer
Cossula magnifica (Stkr.) —U 7 pecan carpenterworm
Cotinis nitida (L.) —V 41 green June beetle
Crambus caliginosellus Clem. —U 8 corn root webworm
Crambus teterrellus (Zinck.) —U 8 bluegrass webworm
Crambus topiarius Zell. —U 8 cranberry girdler

Dendroctonus approximatus Dietz —V 42
Colorado pine beetle
Dendroctonus arizonus Hopk. —V 42
Arizona pine beetle
Dendroctonus barberi Hopk. —V 42
southwestern pine beetle
Dendroctonus borealis Hopk. —V 42
Alaska spruce beetle
Dendroctonus brevicomis Lec. —V 42
western pine beetle
Dendroctonus convexifrons Hopk. —V 42
roundheaded pine beetle
Dendroctonus engelmanni Hopk. —V 42
Engelmann spruce beetle
Dendroctonus frontalis Zimm. —V 42
southern pine beetle
Dendroctonus jeffreyi Hopk. —V 42
Jeffrey pine beetle
Dendroctonus mexicanus Hopk. —V 42
smaller Mexican pine beetle
Dendroctonus micans (Kug.) —V 42
European spruce beetle
Dendroctonus monticolae Hopk. —V 42
mountain pine beetle
Dendroctonus murrayanae Hopk. —V 42
lodgepole-pine beetle
Dendroctonus obesus (Mann.) —V 42
Sitka-spruce beetle
Dendroctonus parallelcolis Chap. —V 42
larger Mexican pine beetle
Dendroctonus piceaperda Hopk. —V 42
eastern spruce beetle
Dendroctonus ponderosae Hopk. —V 42
Black Hills beetle
Dendroctonus pseudotsugae Hopk. —V 42
Douglas-fir beetle
Dendroctonus punctatus Lec. —V 42
Allegheny spruce beetle
Dendroctonus rufipennis (Kby.) —V 42
red-winged pine beetle
Dendroctonus simplex Lec. —V 42
eastern larch beetle
Dendroctonus terebrans (Oliv.) —V 42
black turpentine beetle
Dendroctonus valens Lec. —V 42
red turpentine beetle
Dendroctonus obsoletus (Say) —RRR 5
spotted-winged antlion
Depressaria heracliana (L.) —U 31
parsnip webworm
Dermacentor albipictus (Pack.) —XXIV a. 2
winter tick
Dermacentor andersoni Stiles —XXIV a. 2
Rocky Mountain wood tick
Dermacentor nitens Neum. —XXIV a. 2
tropical horse tick
Dermacentor occidentalis Marx —XXIV a. 2
Pacific Coast tick
Dermacentor variabilis (Say) —XXIV a. 2
American dog tick
Dermanyssus gallinae (DeG.) —XXIV b. 1
chicken mite
Dermatobia hominis (L., Jr.) —X 9
human bot fly
Dermestes ater DeG. —V 20
black larder beetle
Dermestes lardarius L. —V 20
larder beetle
Dermestes maculatus DeG. —V 20
hide beetle
Derocrepis erythropus (Melsh.) —V 13
red-legged flea beetle
Desmia funeralis (Hbn.) —U 42
grape leaf folder
Diabrotica balteata Lec. —V 13
banded cucumber beetle
Diabrotica longicornis (Say) —V 13
northern corn rootworm
Diabrotica undecimpunctata Mann. —V 13
western spotted cucumber beetle
Diabrotica undecimpunctata howardi Barber —V 13
southern corn rootworm, spotted cucumber beetle

Diabrotica virgifera Lec. — V 13 western corn rootworm
Diacrisia virginica (F.) — U 2 yellow woollybear
Dialeurodes chittendeni Laing — QQ 1 rhododendron whitefly
Dialeurodes citri (Ashm.) — QQ 1 citrus whitefly
Dialeurodes citrifolii (Morg.) — QQ 1 cloudy-winged whitefly
Diaphania hyalinata (L.) — U 42 melonworm
Diaphania nitidalis (Stoll) — U 42 pickleworm
Diapheromera femorata (Say) — H 7 walkingstick
Diarthronomyia chrysanthemi Ahlb. — X 19 chrysanthemum gall midge
Diaspis bromeliae (Kern.) — QQ 11 pineapple scale
Diaspis carueli Targ. — QQ 11 juniper scale
Diaspis echinocacti (Bouché) — QQ 11 cactus scale
Diatraea crambidoides (Grote) — U 8 southern cornstalk borer
Diatraea grandiosella Dyar — U 8 southwestern corn borer
Diatraea saccharalis (F.) — U 8 sugarcane borer
Dichelonyx backi (Kby.) — V 14 green rose chafer
Dichomeris ligulella Hbn. — U 13 palmerworm
Dichomeris marginella (F.) — U 13 juniper webworm
Diocalandra taitensis (G.-M.) — V 19 Tahitian coconut weevil
Dioryctria reniculella (Grote) — U 36 spruce coneworm
Dioryctria zimmermani (Grote) — U 36 Zimmerman pine moth
Diprion hercyniae (Htg.) — W 11 European spruce sawfly
Diprion similis (Htg.) — W 11 introduced pine sawfly
Disonychia triangularis (Say) — V 13 three-spotted flea beetle
Disonychia xanthomelas (Dalm.) — V 13 spinach flea beetle
Dissosteira carolina (L.) — H 1 Carolina grasshopper
Dissosteira longipennis (Thos.) — H 1 High Plains grasshopper
Dorymyrmex pyramicus (Roger) — W 13 pyramid ant
Drepanaphis acerifoliae (Thos.) — QQ 2 painted maple aphid
Dryocoetes confusus Swaine — V 42 western balsam bark beetle
Dysdercus mimulus Hussey — Q 17 Arizona cotton stainer
Dysdercus suturellus (H.-S.) — Q 17 cotton stainer
Eacles imperialis (Drury) — U 4 imperial moth
Ecdytolopha insiticiaria Zell. — U 32 locust twig borer
Echidnophaga gallinacea (Westw.) — Y 2 sticktight flea
Ectobius livens (Turton) — H 2 spotted Mediterranean roach
Edwardsiana rosae (L.) — QQ 6 rose leafhopper
Elaphidion villosus (F.) — V 12 twig pruner
Elasmopalpus lignosellus (Zell.) — U 36 lesser cornstalk borer
Eleodes opaca (Say) — V 46 plains false wireworm
Empoasca fabae (Harr.) — QQ 6 potato leafhopper
Empoasca maligna (Walsh) — QQ 6 apple leafhopper
Empoasca solana DeL. — QQ 6 southern garden leafhopper
Enchenopa binotata (Say) — QQ 16 two-marked treehopper
Endelomyia aethiops (F.) — W 24 rose-slug
Endothemia hebesana (Wlk.) — U 32 verbena bud moth
Endria inimica (Say) — QQ 6 painted leafhopper
Ennomos subsignarius (Hbn.) — U 14 elm spanworm

Entomoscelis americana Brown — V 13 red turnip beetle
Eotetranychus carpini borealis (Ewing) — XXIV d. 7 yellow spider mite
Eotetranychus sezmaculatus (Riley) — XXIV d. 7 six-spotted mite
Epargyreus clarus (Cram.) — U 19 silver-spotted skipper
Ephestia cautella (Wlk.) — U 36 almond moth
Ephestia elutella (Hbn.) — U 36 tobacco moth
Ephestia figulilella Greg. — U 36 raisin moth
Epiblema otiosana (Clem.) — U 32 bidens borer
Epiblema strenuana (Wlk.) — U 32 ragweed borer
Epicaerus imbricatus (Say) — V 19 imbricated snout beetle
Epicauta cinerea (Först.) — V 32 clematis blister beetle
Epicauta fabricii (Lec.) — V 32 ash-gray blister beetle
Epicauta lemniscata (F.) — V 32 three-striped blister beetle
Epicauta maculata (Say) — V 32 spotted blister beetle
Epicauta pennsylvanica (DeG.) — V 32 black blister beetle
Epicauta pestifera Werner — V 32 margined blister beetle
Epicauta vittata (F.) — V 32 striped blister beetle
Epicnaptera americana (Harr.) — U 22 lappet moth
Epidiopsis piricola (Del Guer.) — QQ 11 Italian pear scale
Epilachna borealis (F.) — V 16 squash beetle
Epilachna varivestis Muls. — V 16 Mexican bean beetle
Epinota aceriella (Clem.) — U 32 maple trumpet skeletonizer
Epitrimerus pyri (Nal.) — XXIV d. 2 pear rust mite
Epitrix cucumeris (Harr.) — V 13 potato flea beetle
Epitrix fuscata Crotch — V 13 eggplant flea beetle
Epitrix hirtipennis (Melsh.) — V 13 tobacco flea beetle
Epitrix subcrinita (Lec.) — V 13 western potato flea beetle
Epitrix tuberosa Gent. — V 13 tuber flea beetle
Epochra canadensis (Loew) — X 36 currant fruit fly
Erannis tiliaria (Harr.) — U 14 linden looper
Ereunetis flavistriata (Wlsh.) — U 47 sugarcane bud moth
Eriococcus azaleae Comst. — QQ 9 azalea bark scale
Eriophyes pyri (Pgst.) — XXIV d. 2 pear leaf blister mite
Eriophyes thujae Gar. — XXIV d. 2 tip-dwarf mite
Eriophyes vitis (Pgst.) — XXIV d. 2 grape erineum mite
Eriosoma americanum (Riley) — QQ 2 woolly elm aphid
Eriosoma lanigerum (Hausm.) — QQ 2 woolly apple aphid
Eriosoma pyricola Baker — QQ 2 woolly pear aphid
Erynephala puncticollis (Say) — V 13 beet leaf beetle
Erythrapsides vitis (Harr.) — W 24 grape sawfly
Erythroneura tricineta Fitch — QQ 6 three-banded leafhopper
Erythroneura siccae Walsh — QQ 6 Virginia-creeper leafhopper
Estigmene acrea (Drury) — U 2 salt-marsh caterpillar
Etiella zinckenella (Treit.) — U 36 lima-bean pod borer
Euborellia annulipes (Lucas) — I 2 ring-legged earwig
Euethola rugiceps (Lec.) — V 41 sugarcane beetle
Eumerus tuberculatus Rond. — X 33 lesser bulb fly
Euphoria inda (L.) — V 41 bumble flower beetle

- Eurytoma orchidearum* (Westw.) —W 12 orchidfly
Eurytoma vitis (Saund.) —W 12 grape seed chalcid
Eusepes postfasciatus (Fairm.) —V 19
 West Indian sweetpotato weevil
Euschistus servus (Say) —Q 15 brown stink bug
Euschistus tristigmus (Say) —Q 15 dusky stink bug
Euschistus variolarius (P. de B.) —Q 15
 one-spot stink bug
Eutreta xanthochaeta Ald. —X 36 lantana gall fly
Eutrombicula alfreddugèsi (Oud.) —XXIV d. 8
 chigger
Eutrombidium trigonum (Herm.) —XXIV d. 9
 red grasshopper mite
Euzoa messoria (Harr.) —U 34 dark-sided cutworm
Euzoa ochrogaster (Guen.) —U 34
 red-backed cutworm
Euzoa scandens (Riley) —U 34 white cutworm
Euzoa tessellata (Harr.) —U 34 striped cutworm
Euzophera semifuneralis (Wlk.) —U 36
 American plum borer
Evergestis rimosalis (Guen.) —U 42
 cross-striped cabbageworm
Evergestis straminealis (Hbn.) —U 42
 purple-backed cabbageworm
Ezartema permundatum Clem. —U 32
 raspberry leaf roller
Ezoteleia pinifoliella (Chamb.) —U 13
 pine needle miner

Fannia canicularis (L.) —X 21 little house fly
Fannia scalaris (F.) —X 21 latrine fly
Faronta diffusa (Wlk.) —U 34
 wheat head armyworm
Felicola subrostrata (Burm.) —N 4 cat louse
Feltia subgothica (Haw.) —U 34 dingy cutworm
Feltia subterranea (F.) —U 34 granulate cutworm
Fenusa dohrnii (Tisch.) —W 24
 European alder leaf miner
Fenusa pusilla (Lep.) —W 24 birch leaf miner
Fenusa ulmi Sund. —W 24 elm leaf miner
Ferrisia virgata (Ckll.) —QQ 18 striped mealybug
Fidia viticida Walsh —V 13 grape rootworm
Forficula auricularia L. —I 1 European earwig
Formica exsectoides Forel —W 13
 Allegheny mound ant
Formica fusca v. subsericea Say —W 13 silky ant
Formica rufa obscuripes Forel —W 13
 western thatching ant
Frankliniella fusca (Hinds) —P 4 tobacco thrips
Frankliniella tritici (Fitch) —P 4 flower thrips
Fundella pellucens Zell. —U 36
 Caribbean pod borer

Galeruca browni Blake —V 13 peppergrass beetle
Galerucella carbo (Lec.) —V 13
 Pacific willow leaf beetle
Galerucella cavicollis (Lec.) —V 13
 cherry leaf beetle
Galerucella nymphaeae (L.) —V 13
 waterlily leaf beetle
Galerucella xanthomelaena (Schr.) —V 13
 elm leaf beetle
Galleria mellonella (L.) —U 12 greater wax moth
Gargaphia solani Heid. —V 20 eggplant lace bug
Gargaphia tiliae (Walsh) —V 20 basswood lace bug
Gasterophilus haemorrhoidalis (L.) —X 15
 nose bot fly
Gasterophilus intestinalis (DeG.) —X 15
 horse bot fly
Gasterophilus nasalis (L.) —X 15 throat bot fly
Gelastocoris oculatus (F.) —Q 7 toad bug
Geshna cannalis (Quaint.) —U 42
 lesser canna leaf roller
Gliricola porcelli (Schr.) —N 1
 slender guinea-pig louse
Glossonotus crataegi (Fitch) —QQ 16
 quince treehopper

Glycobius speciosus (Say) —V 12
 sugar-maple borer
Gnathocerus cornutus (F.) —V 46
 broad-horned flour beetle
Gnorimoschema operculella (Zell.) —U 13
 potato tuberworm
Goes tessellatus (Hald.) —V 12 oak sapling borer
Goniocotes gallinae (DeG.) —N 3
 fluff louse
Goniodes dissimilis Denny —N 3
 brown chicken louse
Goniodes gigas (Tasch.) —N 3
 large chicken louse
Goniodes numidae Mjöberg —N 3
 guinea feather louse
Gossyparia spuria (Mod.) —QQ 9
 European elm scale
Gracilaria azaleella Brants —U 16
 azalea leaf miner
Gracilaria cuculipennella (Hbn.) —U 16
 privet leaf miner
Gracilaria negundella Chamb. —U 16
 boxelder leaf roller
Gracilaria syringella (F.) —U 16
 lilac leaf miner
Graphognathus spp. —V 19 white-fringed beetles
Grapholitha interstinctana (Clem.) —U 32
 clover head caterpillar
Grapholitha molesta (Busck) —U 32
 oriental fruit moth
Grapholitha packardii Zell. —U 32
 cherry fruitworm
Grapholitha prunivora (Walsh) —U 32
 lesser appleworm
Gretchena bolliana (Sling.) —U 32
 pecan bud moth
Gryllotalpa africana P. de B. —H 5
 African mole cricket
Gryllotalpa hexadactyla Perty —H 5
 northern mole cricket
Gynaikothrips ficorum (March.) —P 3
 Cuban-laurel thrips
Gyropus ovalis Burm. —N 1 oval guinea-pig louse

Haemaphysalis chordeilis (Pack.) —XXIV a. 2
 bird tick
Haemaphysalis leporis-palustris (Pack.) —XXIV a. 2
 rabbit tick
Haematopinus asini (L.) —O 1 horse sucking louse
Haematopinus eurytarnus (Nitz.) —O 1
 short-nosed cattle louse
Haematopinus quadripertusus Fahrenh. —O 1
 cattle tail louse
Haematopinus suis (L.) —O 1 hog louse
Haematosiphon inodorus (Dugès) —Q 4
 poultry bug
Haemodipsus ventricosus (Denny) —O 2
 rabbit louse
Halisidota caryae (Harr.) —U 2
 hickory tussock moth
Halisidota harrisii Walsh —U 2
 sycamore tussock moth
Halisidota maculata (Harr.) —U 2
 spotted tussock moth
Halisidota tessellaris (J. E. Smith) —U 2
 pale tussock moth
Halticotoma valida Reut. —Q 10 yucca plant bug
Halticus bracteatus (Say) —Q 10 garden flea hopper
Harmolita grandis (Riley) —W 12
 wheat straw-worm
Harmolita hordei (Harr.) —W 12 barley jointworm
Harmolita tritici (Fitch) —W 12 wheat jointworm
Harpipteryx xylostella (L.) —U 20
 European honeysuckle leaf roller
Harrisina americana (G.-M.) —U 50
 grapeleaf skeletonizer
Harrisina brillians B. & McD. —U 50
 western grape leaf skeletonizer
Hedia variegana (Hbn.) —U 32 green budworm

Heliothis ononis (D. & S.) —U 34 flax bollworm
Heliothis virescens (F.) —U 34 tobacco budworm
Heliothis zea (Boddie) —U 34 bollworm, corn earworm, tomato fruitworm
Heliothrips haemorrhoidalis (Bouché) —P 4 greenhouse thrips
Hellula rogatalis (Hulst) —U 42 cabbage webworm
Hemerocampa leucostigma (J. E. Smith) —U 25 white-marked tussock moth
Hemerocampa pseudotsugata McD. —U 25 Douglas-fir tussock moth
Hemerocampa vetusta (Bdv.) —U 25 western tussock moth
Hemichroa crocea (Fourc.) —W 24 striped alder sawfly
Hemileuca maia (Drury) —U 43 buck moth
Hemileuca oliviae Ckll. —U 43 range caterpillar
Hemitarsonemus latus (Banks) —XXIV d. 5 broad mite
Hercinothrips femoralis (Reut.) —P 4 banded greenhouse thrips
Hercotothrips fasciatus (Perg.) —P 4 bean thrips
Heterocampa guttivitta (Wlk.) —U 2 saddled prominent
Heterocampa manteo (Dblidy.) —U 29 variable oak leaf caterpillar
Hippodamia convergens G.-M. —V 16 convergent lady beetle
Holochlora japonica (Brun.) —H 9 Japanese broad-winged katydid
Homadula albizziae Clarke —U 15 mimosa webworm
Homaledra sabalella (Chamb.) —U 6 palm leaf skeletonizer
Homococoma electellum (Hulst) —U 36 sunflower moth
Hoplocampa cookei (Clarke) —W 24 cherry fruit sawfly
Hoplocampa testudinea (Klug) —W 24 European apple sawfly
Hoplopleura oenomydis Ferris —O 2 tropical rat louse
Horistonotus uhlerii Horn —V 22 sand wireworm
Howardia biclavus (Comst.) —QQ 11 mining scale
Hulstia undulatella (Clem.) —U 36 sugar-beet crown borer
Hyalophora cecropia (L.) —U 43 cecropia moth
Hyalopterus arundinis (F.) —QQ 2 mealy plum aphid
Hydroecia micacea (Esp.) —U 34 potato stem borer
Hylastinus obscurus (Marsh.) —V 42 clover root borer
Hylecoetus lugubris Say —V 31 sapwood timberworm
Hylemya antiqua (Meig.) —X 21 onion maggot
Hylemya brassicae (Bouché) —X 21 cabbage maggot
Hylemya brunnescens (Zett.) —X 21 carnation maggot
Hylemya cilicrura (Rond.) —X 21 seed-corn maggot
Hylemya echinata Séguéy —X 21 carnation tip maggot
Hylemya floralis (Fall.) —X 21 turnip maggot
Hyllobius pales (Hbst.) —V 19 pales weevil
Hyllobius radicis Buch. —V 19 pine root collar weevil
Hylotrupes bajulus (L.) —V 12 old-house borer
Hylurgopinus rufipes (Eichh.) —V 42 native elm bark beetle
Hymenia perspectalis (Hbn.) —U 42 spotted beet webworm
Hymenia recurvalis (F.) —U 42 Hawaiian beet webworm
Hypena humuli (Harr.) —U 34 hop looper
Hypera nigristrostris (F.) —V 19 lesser clover leaf weevil

Hypera postica (Gyll.) —V 19 alfalfa weevil
Hypera punctata (F.) —V 19 clover leaf weevil
Hyphantria cunea (Drury) —U 2 fall webworm
Hypoderma bovis (L.) —X 18 northern cattle grub
Hypoderma lineatum (De Vill.) —X 18 common cattle grub
Hypolithus abbreviatus (Say) —V 22 abbreviated wireworm
Hyponomeuta padella (L.) —U 20 ermine moth
Hypsopygia costalis (F.) —U 41 clover hayworm
Hysteroneura setariae (Thos.) —QQ 2 rusty plum aphid
Icerya purchasi Mask. —QQ 15 cottony-cushion scale
Ichthyura inclusa Hbn. —U 29 poplar tent maker
Ips pini (Say) —V 42 pine engraver
Iridomyrmex humilis Mayr —W 13 Argentine ant
Ischnaspis longirostris (Sign.) —QQ 11 black thread scale
Isia isabella (J. E. Smith) —U 2 banded woollybear
Itame ribearia (Fitch) —U 14 currant spanworm
Ithycerus noveboracensis (Forst.) —V 19 New York weevil
Itonida balsamicola (Lint.) —X 19 balsam gall midge
Itonida catalpae (Comst.) —X 19 catalpa midge
Itonida citrulli Felt —X 19 cucurbit midge
Ixodes kingi Bishopp —XXIV a. 2 rotund tick
Ixodes ricinus scapularis Say —XXIV a. 2 black-legged tick
Janus abbreviatus (Say) —W 5 willow shoot sawfly
Janus integer (Nort.) —W 5 currant stem girdler
Jonthonota nigripes (Oliv.) —V 13 black-legged tortoise beetle
Kakimia houghtonensis (Troop) —QQ 2 gooseberry witchbroom aphid
Keiferia glochinella (Zell.) —U 13 eggplant leaf miner
Keiferia lycopersicella (Busck) —U 13 tomato pinworm
Knemidokoptes gallinae (Raill.) —XXIV c. 4 depluming mite
Knemidokoptes mutans (R. & L.) —XXIV c. 4 scaly-leg mite
Lapopidea allii Knight —Q 10 onion plant bug
Lacinipolia renigera (Steph.) —U 34 bristly cutworm
Laemophloeus ferrugineus (Steph.) —V 18 rusty grain beetle
Laemophloeus pusillus (Schönh.) —V 18 flat grain beetle
Lambdina fuscicollis (Guen.) —U 14 hemlock looper
Lambdina fuscicollis lugubrosa (Hulst) —U 14 western hemlock looper
Lambdina fuscicollis somnaria (Hulst) —U 14 western oak looper
Lampetia equestris (F.) —X 33 narcissus bulb fly
Languria mozardi Latr. —V 27 clover stem borer
Laphygma eximpta (Wlk.) —U 34 nutgrass armyworm
Laphygma exigua (Hbn.) —U 34 beet armyworm
Laphygma frugiperda (J. E. Smith) —U 34 fall armyworm
Lasioderma serripes (F.) —V 1 cigarette beetle
Lasiopoda murtfeldtiana Felt —X 19 sunflower seed midge
Lasius alienus americanus Emery —W 13 cornfield ant
Lasius claviger (Roger) —W 13 smaller yellow ant
Lasius interjectus Mayr —W 13 larger yellow ant
Laspeyresia caryana (Fitch) —U 32 hickory shuckworm

Laspeyresia nigricana (Steph.) —U 32 pea moth
Laspeyresia youngana Kearf. —U 32 spruce seed moth
Latrodectus mactans (F.) —XXIII. 11 black widow spider
Lecanium cerasorum Ckll. —QQ 8 calico scale
Lecanium corni Bouché —QQ 8 European fruit lecanium
Lecanium fletcheri Ckll. —QQ 8 Fletcher scale
Lecanium nigrofasciatum Perg. —QQ 8 terrapin scale
Lecanium persicae (F.) —QQ 8 European peach scale
Lecanium prunastri (Fonsc.) —QQ 8 globose scale
Lema trilineata (Oliv.) —V 13 three-lined potato beetle
Lepidosaphes beekii (Newm.) —QQ 11 purple scale
Lepidosaphes camelliae Hoke —QQ 11 camillia scale
Lepidosaphes ficus (Sign.) —QQ 11 fig scale
Lepidosaphes gloverii (Pack.) —QQ 11 Glover scale
Lepidosaphes ulmi (L.) —QQ 11 oystershell scale
Lepisma saccharina L. —B 1 silverfish
Leptinotarsa decemlineata (Say) —V 13 Colorado potato beetle
Leptinotarsa juncta (Germ.) —V 13 false potato beetle
Leptocoris trivittatus (Say) —Q 5 boxelder bug
Leptoglossus phyllopus (L.) —Q 5 leaf-footed bug
Leptopterna dolabratus (L.) —Q 10 meadow plant bug
Lethocerus americanus (Leidy) —Q 3 giant water bug
Leucophaea maderae (F.) —H 2 Madeira roach
Ligyrrus gibbosus (DeG.) —V 41 carrot beetle
Limax maximus L. —I. 3 spotted garden slug
Limenitis archippus (Cram.) —U 31 viceroy
Limonius agonus (Say) —V 22 eastern field wireworm
Limonius californicus Mann. —V 22 sugar-beet wireworm
Limonius canus Lec. —V 22 Pacific Coast wireworm
Limonius infuscatus Mots. —V 22 western field wireworm
Limonius subauratus Lec. —V 22 Columbia Basin wireworm
Limothrips cerealium Hal. —P 4 grain thrips
Linognathus setosus (Olf.) —O 3 dog sucking louse
Linognathus stenopsis (Burm.) —O 3 goat sucking louse
Linognathus vituli (L.) —O 3 long-nosed cattle louse
Liothrips floridensis (Watson) —P 3 camphor thrips
Liothrips vaneeckei Pries. —P 3 lily bulb thrips
Lipeurus caponis (L.) —N 3 wing louse
Lipeurus numidae (Denny) —N 3 slender guinea louse
Liposcelis divinatorius (Müll.) —L 1 booklouse
Lirceus brachyurus (Harger) —II. 1 watercress sowbug
Liriomyza langei Frick —X 1 pea leaf miner
Liriomyza pusilla (Meig.) —X 1 serpentine leaf miner
Lissorhoptrus oryzophilus Ksl. —V 19 rice water weevil
Listroderes costirostris obliquus (Klug) —V 19 vegetable weevil
Listronotus oregonensis (Lec.) —V 19 carrot weevil
Lithocolletis tremuloidiella (Braun) —U 16 aspen blotch miner
Lithophane antennata (Wlk.) —U 34 green fruitworm
Lixus concavus Say —V 19 rhubarb curculio
Lopidea dakota Knight —Q 10 caragana plant bug
Lopidea davisii Knight —Q 10 phlox plant bug

Loxagrotis albicosta (Sm.) —U 34 western bean cutworm
Loxostege commixtalis (Wlk.) —U 42 alfalfa webworm
Loxostege similalis (Guen.) —U 42 garden webworm
Loxostege sticticalis (L.) —U 42 beet webworm
Lucanus elaphus F. —V 28 giant stag beetle
Luperodes brunneus (Crotch) —V 13 corn silk beetle
Lyctus planicollis Lec. —V 28 southern lyctus beetle
Lygaeus kalmii Stål —Q 9 small milkweed bug
Lygidea mendax Reut. —Q 10 apple red bug
Lygria diversilineata (Hbn.) —U 14 grapevine looper
Lygus lineolaris (P. de B.) —Q 10 tarnished plant bug
Lytta mutallii Say —V 32 Nuttall blister beetle
Lytta vesicatoria (L.) —V 32 Spanish-fly
Macrodactylus subspinosus (F.) —V 41 rose chafer
Macronoctua onusta Grote —U 34 iris borer
Macropsis trimaculata (Fitch) —QQ 6 plum leafhopper
Macrosiphoniella sanborni (Gill.) —QQ 2 chrysanthemum aphid
Macrosiphum granarium (Kby.) —QQ 2 English grain aphid
Macrosiphum lilii (Monell) —QQ 2 purple-spotted lily aphid
Macrosiphum liriiodendri (Monell) —QQ 2 tuliptree aphid
Macrosiphum pisi (Harris) —QQ 2 pea aphid
Macrosiphum rosae (L.) —QQ 2 rose aphid
Macrosiphum rudbeckiae (Fitch) —QQ 2 goldenglow aphid
Macrosiphum solanifolii (Ashm.) —QQ 2 potato aphid
Macrosteles fascifrons (Stål) —QQ 6 six-spotted leafhopper
Magdalis aenescens Lec. —V 19 bronze apple tree weevil
Magdalis armicollis (Say) —V 19 red elm bark weevil
Magdalis barbata (Say) —V 19 black elm bark weevil
Magicicada septendecim (L.) —QQ 7 periodical cicada
Malacosoma americanum (F.) —U 22 eastern tent caterpillar
Malacosoma californicum (Pack.) —U 22 California tent caterpillar
Malacosoma distria Hbn. —U 22 forest tent caterpillar
Malacosoma lutescens (N. & D.) —U 22 prairie tent caterpillar
Malacosoma pluviale (Dyar) —U 22 western tent caterpillar
Mamestra configurata Wlk. —U 34 bertha armyworm
Mantis religiosa L. —H 6 European mantis
Marmara elotella (Busck) —U 16 apple bark miner
Marmara pomonella Busck —U 16 apple fruit miner
Megacyllene caryae (Gahan) —V 12 painted hickory borer
Megacyllene robiniae (Forst.) —V 12 locust borer
Megalopyge crispata (Pack.) —U 27 crinkled flannel moth
Megalopyge opercularis (J. E. Smith) —U 27 puss caterpillar
Melanagromyza simplex (Loew) —X 1 asparagus miner
Melanocallis caryaefoliae (Davis) —QQ 2 black pecan aphid
Melanophila consputa Lec. —V 8 charcoal beetle
Melanophila drummondi (Kby.) —V 8 flatheaded fir borer
Melanophila fulvoguttata (Harr.) —V 8 hemlock borer

Melanoplus bivittatus (Say) —H 1 two-striped grasshopper
Melanoplus devastator Scudd. —H 1 devastating grasshopper
Melanoplus differentialis (Thos.) —H 1 differential grasshopper
Melanoplus femur-rubrum (DeG.) —H 1 red-legged grasshopper
Melanoplus mexicanus (Sauss.) —H 1 migratory grasshopper
Melanoplus packardii Scudd. —H 1 Packard grasshopper
Melanoplus rugglesi Gurney —H 1 Nevada sage grasshopper
Melanoplus spretus (Walsh) —H 1 Rocky Mountain grasshopper
Melanotrichus althaeae (Hussey) —Q 10 hollyhock plant bug
Melanotus oregonensis (Lec.) —V 22 Oregon wireworm
Melissopus latiferranus (Wlsm.) —U 32 filbertworm
Melitara dentata (Grote) —U 36 blue cactus borer
Melittia cucurbitae (Harr.) —U 1 squash vine borer
Melittomma sericeum (Harr.) —V 31 chestnut timberworm
Melophagus ovinus (L.) —X 17 sheep ked
Menacanthus stramineus (Nitz.) —N 2 chicken body louse
Menopon gallinae (L.) —N 2 shaft louse
Meromyza americana Fitch —X 7 wheat stem maggot
Metamasius hemipterus (L.) —V 19 West Indian cane weevil
Metamasius ritchiei Mshl. —V 19 pineapple weevil
Metamasius sericeus (Oliv.) —V 19 silky cane weevil
Metatetranychus citri (McG.) —XXIV d. 7 citrus red mite
Metatetranychus ulmi (Koch) —XXIV d. 7 European red mite
Metriona bicolor (F.) —V 13 golden tortoise beetle
Miccotrogus picrostris (F.) —V 19 clover seed weevil
Microcentrum retinerve (Burm.) —H 9 angular-winged katydid
Microcentrum rhombifolium (Sauss.) —H 9 broad-winged katydid
Microcephalothrips abdominalis Crawl. —P 4 composite thrips
Micromyzus violae (Perg.) —QQ 2 violet aphid
Microtheca ochroloma Stål —V 13 yellow-margined leaf beetle
Mindarus abietinus Koch —QQ 2 balsam twig aphid
Monarthropalpus buxi (Lab.) —X 19 boxwood leaf miner
Monellia costalis (Fitch) —QQ 2 black-margined aphid
Monocesta coryli (Say) —V 13 larger elm leaf beetle
Monochamus maculosus (Hald.) —V 12 spotted pine sawyer
Monochamus marmorator (Kby.) —V 12 balsam-fir sawyer
Monochamus notatus (Drury) —V 12 northeastern sawyer
Monochamus oregonensis (Lec.) —V 12 Oregon fir sawyer
Monochamus scutellatus (Say) —V 12 white-spotted sawyer
Monochamus titillator (F.) —V 12 southern pine sawyer
Monomorium minimum (Buckl.) —W 13 little black ant
Monomorium pharaonis (L.) —W 13 Pharaoh ant
Mononychus vulpeculus (F.) —V 19 iris weevil

Monophadnoides geniculatus (Htg.) —W 24 raspberry sawfly
Monoptilota pergratialis (Hulst) —U 36 lima-bean vine borer
Mordwilkoja vagabunda (Walsh) —QQ 2 poplar vagabond aphid
Murgantia histrionica (Hahn) —Q 15 harlequin bug
Musca domestica L. —X 21 house fly
Musca domestica vicina Macq. —X 21 oriental house fly
Muscina stabulans (Fall.) —X 21 false stable fly
Mycodiplosis alternata Felt —X 19 dogwood club-gall midge
Myzocallis kahawaluokalani Kirk. —QQ 2 crapemyrtle aphid
Myzocallis ulmifolii (Monell) —QQ 2 elm leaf aphid
Myzus cerasi (F.) —QQ 2 black cherry aphid
Myzus circumflexus (Buck.) —QQ 2 crescent-marked lily aphid
Myzus ligustri (Mosley) —QQ 2 privet aphid
Myzus persicae (Sulz.) —QQ 2 green peach aphid
Myzus porosus Sanderson —QQ 2 yellow rose aphid
Myzus solani (Kltb.) —QQ 2 foxglove aphid
Narcerder melanura (L.) —V 36 wharf borer
Necrobia ruficollis (F.) —V 15 red-shouldered ham beetle
Necrobia rufipes (DeG.) —V 15 red-legged ham beetle
Nemapogon granella (L.) —U 47 European grain moth
Nematocampa limbata (Haw.) —U 14 filament bearer
Nematus bozemani (Cooley) —W 24 poplar leaf-folding sawfly
Nematus ribesii (Scop.) —W 24 imported currantworm
Nematus ventralis Say —W 24 willow sawfly
Neoborus amoenus (Reut.) —Q 10 ash plant bug
Neoclytus acuminatus (F.) —V 12 red-headed ash borer
Neodiprion abietis (Harr.) —W 11 balsam-fir sawfly
Neodiprion burkei Midd. —W 11 lodgepole sawfly
Neodiprion lecontei (Fitch) —W 11 red-headed pine sawfly
Neodiprion nanulus Schedl. —W 11 red-pine sawfly
Neodiprion pinetum (Nort.) —W 11 white-pine sawfly
Neodiprion pratti banksianae Roh. —W 11 jack-pine sawfly
Neodiprion sertifer (Geoff.) —W 11 European pine sawfly
Neodiprion swaini Midd. —W 11 Swaine jack-pine sawfly
Neodiprion tsugae Midd. —W 11 hemlock sawfly
Neohesperia verbasici (Osb.) —P 3 mullein thrips
Neolecanium cornuparvum (Thro) —QQ 8 magnolia scale
Neolygus caryae Knight —Q 10 hickory plant bug
Neolygus communis Knight —Q 10 pear plant bug
Neophasia menapia (F. & F.) —U 37 pine butterfly
Nepelodes emmedonia (Cram.) —U 34 bronzed cutworm
Nephopteryx rubrizonella Rag. —U 36 pear fruit borer
Nephopteryx subcaesiella (Clem.) —U 36 locust leaf roller
Nepticula gossypii F. & L. —U 28 cotton leaf miner
Neurotoma inconspicua (Nort.) —W 18 plum web-spinning sawfly
Nezara viridula (L.) —Q 15 southern green stink bug
Nilotaspis halli (Green) —QQ 11 Hall scale
Niptus hololeucus (Fald.) —V 40 golden spider beetle
Nodonota puncticollis (Say) —V 13 rose leaf beetle

Nomius pygmaeus (Dej.) —V 11 stink beetle
Nosopsyllus fasciatus (Bosc) —Y 1 northern rat flea
Nygmia phaeorrhoea (Donov.) —U 25 brown-tail moth
Nymphalis antiopa (L.) —U 31 mourning-cloak butterfly
Nymphalis californica (Bdv.) —U 31 California tortoise-shell
Nymphula oblitteralis (Wlk.) —U 42 waterlily leaf cutter
Nysius ericae (Schill.) —Q 9 false chinch bug
Oberea bimaculata (Oliv.) —V 12 raspberry cane borer
Oberea tripunctata (Swed.) —V 12 dogwood twig borer
Oecanthus nigricornis nigricornis Wlk. —H 4 black horned cricket
Oecanthus nigricornis quadripunctatus Beut. —H 4 four-spotted tree cricket
Oecanthus niveus (DeG.) —H 4 snowy tree cricket
Oeciacus vicarius Horv. —Q 4 swallow bug
Oestrus ovis L. —X 22 sheep bot fly
Olene plagiata (Wlk.) —U 25 pine tussock moth
Oligia fractilinea (Grote) —U 34 lined stalk borer
Oligonychus ilicis (McG.) —XXIV d. 7 southern red mite
Oligonychus pratensis (Banks) —XXIV d. 7 date mite
Oligonychus ununguis (Jac.) —XXIV d. 7 spruce spider mite
Oligonychus yotheri (McG.) —XXIV d. 7 avocado red mite
Omiodes accepta (Butl.) —U 42 sugarcane leaf roller
Omiodes blackburni (Butl.) —U 42 coconut leaf roller
Omphisa anastomosalis (Guen.) —U 42 sweetpotato vine borer
Oncideres cingulata (Say) —V 12 twig girdler
Oncopeltus fasciatus (Dall.) —Q 9 large milkweed bug
Operophtera druceata (Hulst.) —U 14 Bruce spanworm
Operophtera brumata (L.) —U 14 winter moth
Ophiomyia lantanae (Frog.) —X 1 lantana seed fly
Orcus chalybeus (Bdv.) —V 16 steel-blue lady beetle
Orygia antiqua (L.) —U 25 rusty tussock moth
Ornithodoros turicata (Dugés) —XXIV a. 1 relapsing fever tick
Orthezia insignis Browne —QQ 17 greenhouse orthezia
Oryzaephilus surinamensis (L.) —V 18 saw-toothed grain beetle
Oacinella frit (L.) —V 7 frit fly
Otobius megnini (Dugés) —XXIV a. 1 ear tick
Oxylipeurus polytrapezius (Burm.) —N 3 slender turkey louse
Pachnaeus litus (Germ.) —V 19 citrus root weevil
Pachynematus extensicornis (Nort.) —W 24 grass sawfly
Pachypsylla celtidis-mamma (Flet.) —QQ 19 hackberry nipple gall
Pachyzancla bipunctalis (F.) —U 42 southern beet webworm
Paleacrita vernata (Peck) —U 14 spring cankerworm
Palorus subdepressus (Woll.) —V 46 depressed flour beetle
Panchlora nivea (L.) —H 2 Cuban cockroach
Pantographa limata G. & R. —U 42 basswood leaf roller
Pantomorus godmani (Crotch) —V 19 Fuller rose beetle
Papaipema nebris (Guen.) —U 34 stalk borer
Papaipema purpurifascia (G. & R.) —U 34 columbine borer

Papilio cressphontes Cram. —U 33 orange-dog
Papilio glaucus L. —U 33 tiger swallow tail
Papilio polyzenes asterius Stoll —U 33 black swallowtail, celeryworm, parsleyworm
Papilio troilus L. —U 33 spice-bush swallowtail
Paraclemensia acerifoliella (Fitch) —U 21 maple leaf cutter
Paralobesia viteana (Clem.) —U 32 grape berry moth
Paramyelois venipars (Dyar) —U 36 navel orangeworm
Parasa indeterminata (Bdv.) —U 24 stinging rose caterpillar
Paratrechina longicornis (Latr.) —W 13 crazy ant
Paratrioza cockerelli (Sulc) —QQ 19 potato psyllid, tomato psyllid
Parlatoria blanchardi (Targ.) —QQ 11 parlatoria date scale
Parlatoria chinensis Marl. —QQ 11 Chinese obscure scale
Parlatoria oleae (Colvée) —QQ 11 olive scale
Parlatoria pergandii Comst. —QQ 11 chaff scale
Pectinophora gossypiella (Saund.) —U 13 pink bollworm
Pediculus humanus capitis DeG. —O 4 head louse
Pediculus humanus humanus L. —O 4 body louse
Pegomya hyoscyami (Panz.) —X 21 spinach leaf miner
Pegomya rubivora (Coq.) —X 21 raspberry cane maggot
Pemphigus betae Doane —QQ 2 sugar-beet root aphid
Pemphigus populi-ramulorum Riley —QQ 2 poplar twig gall aphid
Pemphigus populi-transversus Riley —QQ 2 poplar petiole gall aphid
Pentatrachopus fragaefolii (Ckll.) —QQ 2 strawberry aphid
Penthaleus major (Dugés) —XXIV d. 3 winter grain mite
Peranabrus scabricollis (Thos.) —H 9 coulee cricket
Peregrinus maidis (Ashm.) —QQ 10 corn planthopper
Peridroma margaritosa (Haw.) —U 34 variegated cutworm
Perillus bioculatus (F.) —Q 15 two-spotted stink bug
Periphyllus lyropictus (Kess.) —Q 2 Norway-maple aphid
Periphyllus negundinis (Thos.) —QQ 2 boxelder aphid
Periplaneta americana (L.) —H 2 American cockroach
Periplaneta australasiae (F.) —H 2 Australian cockroach
Perkinsiella saccharicida Kirk. —QQ 10 sugarcane leafhopper
Petrobia latens (Müll.) —XXIV d. 7 brown wheat mite
Petrova comstockiana (Fern.) —U 32 pitch twig moth
Phaedon aeruginosus Suffr. —V 13 watercress leaf beetle
Phalacrus politus Melsh. —V 39 smut beetle
Phalonia hospes (Wlsh.) —U 35 banded sunflower moth
Phalonia rutilana (Hbn.) —U 35 pale juniper webworm
Pheidole megacephala (F.) —W 13 big-headed ant
Phenacaspis pinifoliae (Fitch) —QQ 11 pine needle scale
Phenacoccus aceris (Sign.) —QQ 18 apple mealybug
Phenacoccus gossypii T. & C. —QQ 18 Mexican mealybug
Philaenus leucophthalmus (L.) —QQ 4 meadow spittlebug
Philaenus lineatus (L.) —QQ 4 lined spittlebug

Phloeotribus liminaris (Harr.) —V 42 peach bark beetle
Phobetrus pithecius (J. E. Smith) —U 24 hag moth
Phoenicococcus marlatti Ckll. —QQ 9 red date scale
Pholus achemon (Drury) —U 46 achemon sphinx
Phormia regina (Meig.) —X 5 black blow fly
Phorodon humuli (Schr.) —QQ 2 hop aphid
Phryganidia californica Pack. —U 10 California oakworm
Phthirus pubis (L.) —O 4 crab louse
Phyllobius intrusus Kono —V 19 arborvitae weevil
Phyllocoptes gracilis (Nal.) —XXIV d. 2 blackberry leaf mite
Phyllocoptruta oleivora (Ashm.) —XXIV d. 2 citrus rust mite
Phyllotreta armoraciae (Koch) —V 13 horseradish flea beetle
Phyllotreta pusilla Horn —V 13 western black flea beetle
Phyllotreta ramosa (Crotch) —V 13 western striped flea beetle
Phyllotreta striolata (F.) —V 13 striped flea beetle
Phylloxera devastatrix Perg. —QQ 5 pecan phylloxera
Phylloxera notabilis Perg. —QQ 5 pecan leaf phylloxera
Phylloxera vitifoliae (Fitch) —QQ 5 grape phylloxera
Physokermes piceae (Schr.) —QQ 8 spruce bud scale
Phytodecta americana (Shifr.) —V 13 American aspen beetle
Phytomyza atricornis Meig. —X 1 chrysanthemum leaf miner
Phytomyza delphiniae Frost —X 1 larkspur leaf miner
Phytomyza ilicicola Loew —X 1 native holly leaf miner
Phytomyza ilicis (Curt.) —X 1 holly leaf miner
Phytomyza minuscula Gour. —X 1 columbine leaf miner
Phytophaga destructor (Say) —X 19 hessian fly
Phytoptus avellanae Nal. —XXIV d. 2 silbert bud mite
Phytoptus pini Nal. —XXIV d. 2 pine bud mite
Pieris protodice B. & L. —U 37 southern cabbageworm
Pieris rapae (L.) —U 37 imported cabbageworm
Pikonema alaskensis (Roh.) —W 24 yellow-headed spruce sawfly
Pikonema dimmockii (Cress.) —W 24 green-headed spruce sawfly
Pilocrocis tripunctata (F.) —U 42 sweetpotato leaf roller
Pineus strobi (Htg.) —QQ 5 pine bark aphid
Pinnaspis aspidistrae (Sign.) —QQ 11 fern scale
Piophilus casei (L.) —X 24 cheese skipper
Pissodes engelmanni Hopk. —V 19 Engelmann spruce weevil
Pissodes nemorensis Germ. —V 19 deodar weevil
Pissodes radiatae Hopk. —V 19 Monterey-pine weevil
Pissodes sitchensis Hopk. —V 19 Sitka-spruce weevil
Pissodes strobi (Peck) —V 19 white-pine weevil
Pissodes yosemite Hopk. —V 19 Yosemite bark weevil
Plagioderia versicolora (Laich.) —V 13 imported willow leaf beetle
Plathypena scabra (F.) —U 34 green cloverworm
Platyptilia carduidactyla (Riley) —U 40 artichoke plume moth
Platyptilia pusillodactyla (Wlk.) —U 40 lantana plume moth
Plectrodera scalator (F.) —V 12 cottonwood borer
Plodia interpunctella (Hbn.) —U 36 Indian-meal moth
Plutella maculipennis (Curt.) —U 20 diamondback moth
Pnyzia scabiei (Hopk.) —X 14 potato scab gnath
Podapion gallicola Riley —V 19 pine gall weevil

Podisus maculiventris (Say) —Q 15 spined soldier bug
Podosesia syringae frazzini (Lug.) —U 1 ash borer
Podosesia syringae syringae (Harr.) —U 1 lilac borer
Poecilopsus lineatus (F.) —Q 10 four-lined plant bug
Pogonomyrmex badius (Latr.) —W 13 Florida harvester ant
Pogonomyrmex barbatus (F. Smith) —W 13 red harvester ant
Pogonomyrmex barbatus v. molefaciens (Buckl.) —W 13 Texas harvester ant
Pogonomyrmex californicus (Buckl.) —W 13 California harvester ant
Pogonomyrmex occidentalis (Cress.) —W 13 western harvester ant
Polia legitima (Grote) —U 34 striped garden caterpillar
Pollenia rudis (F.) —X 5 cluster fly
Polyphylla decemlineata (Say) —V 41 ten-lined June beetle
Polyplax spinulosa (Burm.) —O 2 spined rat louse
Pomphopoea sayi (Lec.) —V 32 Say blister beetle
Popillius disjunctus (Ill.) —V 38 horned passalus
Popillia japonica Newm. —V 41 Japanese beetle
Portheia dispar (L.) —U 25 gypsy moth
Prionoxystus macmurtrei (G.-M.) —U 7 little carpenterworm
Prionoxystus robiniae (Peck) —U 7 carpenterworm
Prionus californicus Mots. —V 12 California prionus
Prionus imbricornis (L.) —V 12 tile-horned prionus
Prionus laticollis (Drury) —V 12 broad-necked root borer
Pristiphora californica (Marl.) —W 24 California pear-slug
Pristiphora erichsonii (Htg.) —W 24 larch sawfly
Pristiphora geniculata (Htg.) —W 24 mountain-ash sawfly
Procecidochares utilis Stone —X 36 eupatorium gall fly
Prociphilus imbricator (Fitch) —QQ 2 beech blight aphid
Prociphilus tessellatus (Fitch) —QQ 2 woolly alder aphid
Prodenia eridania (Cram.) —U 34 southern armyworm
Prodenia ornithogalli Guen. —U 34 yellow-striped armyworm
Prodenia praefica Grote —U 34 western yellow-striped armyworm
Proteoteras willingana (Kearf.) —U 32 boxelder twig borer
Protoparce quinque maculata (Haw.) —U 46 tomato hornworm
Protoparce sexta (Johan.) —U 46 tobacco hornworm
Protopulvinaria pyriformis (Ckll.) —QQ 8 pyriform scale
Psallus seriatus (Reut.) —Q 10 cotton fleahopper
Pseudaletia unipuncta (Haw.) —U 34 armyworm
Pseudanthrenomus validus Dietz —V 19 currant fruit weevil
Pseudanidia duplex (Ckll.) —QQ 11 camphor scale
Pseudaulacaspis pentagona (Targ.) —QQ 11 white peach scale
Pseudococcus adonidum (L.) —QQ 18 long-tailed mealybug
Pseudococcus brevipes (Ckll.) —QQ 18 pineapple mealybug
Pseudococcus citri (Risso) —QQ 18 citrus mealybug
Pseudococcus comstocki (Kuw.) —QQ 18 Comstock mealybug
Pseudococcus gahani Green —QQ 18 citrophilus mealybug
Pseudococcus maritimus (Ehrh.) —QQ 18 grape mealybug

Pseudococcus nipae (Mask.) —QQ 18
coconut mealybug
Pseudodacus pallens (Coq.) —X 36
bumelia fruit fly
Pseudolynchia canariensis (Macq.) —X 17
pigeon fly
Psila rosae (F.) —X 26
carrot rust fly
Psoroptes equi Gerv. —XXIV c. 3
scab mite
Psoroptes equi v. ovis (Her.) —XXIV c. 3
sheep scab mite
Psorosina hammondi (Riley) —U 36
apple leaf skeletonizer
Psylla buxi (L.) —QQ 19
boxwood psyllid
Psylla mali (Schmdb.) —QQ 19
apple sucker
Psylla negundinis Mally —QQ 19
boxelder psyllid
Psylla pyricola Foerst. —QQ 19
pear psylla
Psylliodes punctulata Melsh. —V 13
hop flea beetle
Pterophorus periscelidactylus Fitch —U 40
grape plume moth
Ptinus fur L. —V 40
white-marked spider beetle
Ptinus hirtellus Sturm —V 40
brown spider beetle
Ptinus villiger (Reit.) —V 40
hairy spider beetle
Pulex irritans L. —Y 2
human flea
Pulvinaria amygdali Ckll. —QQ 8
cottony peach scale
Pulvinaria innumerabilis (Rathv.) —QQ 8
cottony maple scale
Pulvinaria psidii Mask. —QQ 8
green shield scale
Pycnoscelus surinamensis (L.) —H 2
Surinam roach
Pymotes ventricosus (Newp.) —XXIV d. 4
straw itch mite
Pyrallis farinalis (L.) —U 41
meal moth
Pyrausta ainaliei Heinr. —U 42
smartweed borer
Pyrausta nubilalis (Hbn.) —U 42
European corn borer
Ramosia bibionipennis (Bdv.) —U 1
strawberry crown moth
Ramosia rhododendri (Beut.) —U 1
rhododendron borer
Ramosia tipuliformis (Clerck) —U 1
currant borer
Recurvaria milleri Busck —U 13
lodgepole needle miner
Recurvaria nanella (Hbn.) —U 13
lesser bud moth
Reduvius personatus (L.) —Q 18
masked hunter
Reticulitermes flavipes (Kollar) —K 3
eastern subterranean termite
Rhabdopterus picipes (Oliv.) —V 13
cranberry rootworm
Rhabdoscelus obscurus (Bdv.) —V 19
New Guinea sugarcane weevil
Rhagoletis cingulata (Loew) —X 36
cherry fruit fly, cherry maggot
Rhagoletis completa Cress. —X 36
walnut husk fly
Rhagoletis fausta (O. S.) —X 36
black cherry fruit fly
Rhagoletis pomonella (Walsh) —X 36
apple maggot, blueberry maggot
Rhipicephalus sanguineus (Latr.) —XXIV a. 2
brown dog tick
Rhizobius ventralis (Er.) —V 16
black lady beetle
Rhizococcus falcifer Kunck. —QQ 18
ground mealybug
Rhizoglyphus echinopus (F. & R.) —XXIV c. 1
bulb mite
Rhodites radicum O. S. —W 10
rose root gall
Rhodites rosae (L.) —W 10
mossy rose gall
Rhodobaenus tredecimpunctatus (Ill.) —V 19
cocklebur weevil
Rhopalosiphum fitchii (Sand.) —QQ 2
apple grain aphid
Rhopalosiphum maidis (Fitch) —QQ 2
corn leaf aphid
Rhopalosiphum nymphaeae (L.) —QQ 2
waterlily aphid
Rhopalosiphum pseudobrassicae (Davis) —QQ 2
turnip aphid

Rhopobota naevana (Hbn.) —U 32
black-headed fireworm
Rhyacionia buoliana (Schiff.) —U 32
European pine shoot moth
Rhyacionia frustrana (Comst.) —U 32
Nantucket pine moth
Rhynchaenus pallicornis (Say) —V 19
apple flea weevil
Rhynchaenus rufipes (Lec.) —V 19
willow flea weevil
Rhynchites bicolor (F.) —V 19
rose curculio
Rhyzopertha dominica (F.) —V 5
lesser grain borer
Ribautiana tenerrima (H.-S.) —QQ 6
bramble leafhopper
Rodolia cardinalis (Muls.) —V 16
vedalia
Romalea microptera (P. de B.) —H 1
eastern lubber grasshopper
Saissetia hemisphaerica (Targ.) —QQ 8
hemispherical scale
Saissetia oleae (Bern.) —QQ 8
black scale
Samia cynthia (Drury) —U 43
cynthia moth
Sannia uroceriformis Wlk. —U 1
persimmon borer
Sanninoidea exitiosa (Say) —U 1
peach tree borer
Sanninoidea exitiosa graefi (Hy. Edw.) —U 1
western peach tree borer
Saperda calcarata Say —V 12
poplar borer
Saperda candida F. —V 12
roundheaded apple tree borer
Saperda tridentata Oliv. —V 12
elm borer
Saperda vestita Say —V 12
linden borer
Sarcophaga kellyi Ald. —X 29
grasshopper maggot
Sarcoptes scabiei (DeG.) —XXIV c. 4
itch mite
Scapteriscus acletus R. & H. —H 5
southern mole cricket
Scapteriscus vicinus Scudd. —H 4
changa
Schistocerca americana (Drury) —H 1
American grasshopper
Schizura concinna (J. E. Smith) —U 29
red-humped caterpillar
Schizura unicornis (J. E. Smith) —U 29
unicorn caterpillar
Scirtothrips citri (Moult.) —P 4
citrus thrips
Scleroracrus vaccinii (Van D.) —QQ 6
blunt-nosed cranberry leafhopper
Scobicia declivis (Lec.) —V 5
lead cable borer
Scolytus mali (Bechst.) —V 42
larger shot-hole borer
Scolytus multistriatus (Marsh.) —V 42
smaller European elm bark beetle
Scolytus muticus Say —V 42
hackberry engraver
Scolytus quadrispinosus Say —V 42
hickory bark beetle
Scolytus rugulosus (Ratz.) —V 42
shot-hole borer
Scolytus unispinosus Lec. —V 42
Douglas-fir engraver
Scolytus ventralis Lec. —V 42
fir engraver
Scotogramma trifolii (Rott.) —U 34
clover cutworm
Scudderella furcata Brunn. —H 9
fork-tailed bush katydid
Scutigera cleoptrata (L.) —XIII.1
house centipede
Scutigera immaculata (Newp.) —XVII.1
garden symphylid
Selenothrips rubrocinctus (Giard) —P 4
red-banded thrips
Semanotus ligneus (F.) —V 12
cedar tree borer
Sibine stimulea (Clem.) —U 24
saddleback caterpillar
Simulium meridionale Riley —X 31
turkey gnat
Sipha flava (Forbes) —QQ 2
yellow sugarcane aphid
Siphona irritans (L.) —X 21
horn fly
Sirex cyaneus F. —W 22
blue horntail
Sitodiplosis mosellana (Gehin) —X 19
wheat midge
Sitona cylindricollis Fahr. —V 19
sweetclover weevil
Sitona hispidula (F.) —V 19
clover root curculio
Sitona lineata (L.) —V 19
pea leaf weevil
Sitophilus granarius (L.) —V 19
granary weevil

Sitophilus oryza (L.) —V 19 rice weevil
Sitotroga cerealella (Oliv.) —U 13 Angoumois grain moth
Smicronyx sculpticollis Casey —V 19 dodder gall weevil
Solenopsis geminata (F.) —W 13 fire ant
Solenopsis molesta (Say) —W 13 thief ant
Solenopsis saevissima v. richteri Forel —W 13 imported fire ant
Solenopsis xyloni McCook —W 13 southern fire ant
Solubea pugnax (F.) —Q 15 rice stink bug
Spaelotis clandestina (Harr.) —U 34 w-marked cutworm
Spaelotis haviiae (Grote) —U 34 western w-marked cutworm
Sphinx chersis (Hbn.) —U 46 great ash sphinx
Spilonota ocellana (D. & S.) —U 32 eye-spotted bud moth
Spissistilus festinus (Say) —QQ 16 three-cornered alfalfa hopper
Stagmomantis carolina (Johan.) —H 16 Carolina mantis
Stegasta bosqueella (Chamb.) —U 13 red-necked peanutworm
Stegobium paniceum (L.) —V 1 drug-store beetle
Stenotarsonemus laticeps (Halb.) —XXIV d. 5 bulb scale mite
Stenotarsonemus pallidus (Banks) XXIV d. 5 cyclamen mite
Stenopelmatus fuscus Hald. —H 3 Jerusalem cricket
Stephanitis pyrioides Scott —Q 20 azalea lace bug
Stephanitis rhododendri Horv. —Q 20 rhododendron lace bug
Stephanoderes obscurus (F.) —V 42 apple twig beetle
Sternechus paludatus (Casey) —V 19 bean stalk weevil
Sternochetus lapathi (L.) —V 19 poplar and willow borer
Sternochetus mangiferae (F.) —V 19 mango weevil
Stictiocephala bubalus (F.) —QQ 16 buffalo treehopper
Stilpnolia salicis (L.) —U 25 satin moth
Stomoxys calcitrans (L.) —X 21 stable fly
Strauzia longipennis (Wied.) —X 36 sunflower maggot
Strymon melinus (Hbn.) —U 23 cotton square borer
Supella supellectilium (Serv.) —H 2 brown-banded roach
Sylvora acerni (Clem.) —U 1 maple callus borer
Symnerista albicosta (Hbn.) —U 29 red-humped oakworm
Synanthedon pictipes (G. & R.) —U 1 lesser peach tree borer
Systema blanda Melsh. —V 13 pale-striped flea beetle
Systema elongata (F.) —V 13 elongate flea beetle
Systoechus vulgaris Loew —X 4 grasshopper bee fly
Tabanus atratus F. —X 34 black horse fly
Tabanus lineola F. —X 34 striped horse fly
Tachucines asymmorus Adel. —H 3 greenhouse stone cricket
Tachypterellus quadrigibbus (Say) —V 19 apple curculio
Taedia hawleyi Knight —Q 10 hop plant bug
Taeniothrips inconsequens (Uzel) —P 4 pear thrips
Taeniothrips simplex (Mor.) —P 4 gladiolus thrips
Taniva albolineana (Kearf.) —U 32 spruce needle miner
Tapinoma sessile (Say) —W 13 odorous house ant
Tegeticula yuccasella (Riley) —U 38 yucca moth
Teleonemia scrupulosa (Stål.) —Q 20 lantana lace bug
Tenebrio molitor L. —V 46 yellow mealworm
Tenebrio obscurus F. —V 46 dark mealworm
Tenebroides mauritanicus (L.) —V 37 cadelle

Tenodera angustipennis Sauss. —H 6 narrow-winged mantis
Tenodera aridifolia sinensis Sauss. —H 6 Chinese mantis
Tethida cordigera (P. de B.) —W 24 black-headed ash sawfly
Tetraleurodes mori (Quaint.) —QQ 1 mulberry whitefly
Tetralopha robustella Zell. —U 11 pine webworm
Tetralopha scortealis (Led.) —U 11 lespedeza webworm
Tetramorium caespitum (L.) —W 13 pavement ant
Tetranychus atlanticus McG. —XXIV d. 7 strawberry spider mite
Tetranychus pacificus McG. XXIV d. 7 Pacific mite
Tetranychus telarius (L.) XXIV d. 7 two-spotted spider mite
Tetraopes tetraphthalmus (Forst.) —V 12 red milkweed beetle
Tetropium abietis Fall —V 12 roundheaded fir borer
Thamnosphecia pyri (Harr.) —U 1 pear borer
Thamnosphecia scitula (Harr.) —U 1 dogwood borer
Thermobia domestica (Pack.) —B 1 firebrat
Tholeria reversalis (Guen.) —U 42 genista caterpillar
Thrips nigropilosus Uzel —P 4 chrysanthemum thrips
Thrips saccharoni Mlt. —P 4 sugarcane thrips
Thrips tabaci Lind. —P 4 onion thrips
Thyridopteryx ephemeraeformis (Haw.) —U 39 bagworm
Tinea pellionella (L.) —U 47 casemaking clothes moth
Tineola bisselliella (Hum.) —U 47 webbing clothes moth
Tipula simplex Doane —X 37 range crane fly
Tischeria malifoliella Clem. —U 48 apple leaf trumpet miner
Tomostethus multicinctus (Roh.) —W 24 brown-headed ash sawfly
Torymus druparum Boh. —W 26 apple seed chalcid
Toumeyella liriodendri (Gmel.) —QQ 8 tuliptree scale
Toumeyella numismaticum (P. & M.) —QQ 8 pine tortoise scale
Toxoptera aurantii (Fonsc.) —QQ 2 black citrus aphid
Toxoptera graminum (Rond.) —QQ 2 greenbug
Toxotrypana curvicauda Gerst. —X 36 papaya fruit fly
Trachykele blondeli Marseul —V 8 western cedar borer
Tremex columba (L.) —W 22 pigeon tremex
Trialetrodes floridensis (Quaint.) —QQ 1 avocado whitefly
Trialetrodes packardi (Morrill) —QQ 1 strawberry whitefly
Trialetrodes vaporariorum (Westw.) —QQ 1 greenhouse whitefly
Trialetrodes vittatus (Quaint.) —QQ 1 grape whitefly
Triatoma sanguisuga (Lec.) —QQ 18 bloodsucking conenose
Tribolium castaneum (Hbst.) —V 46 red flour beetle
Tribolium confusum Duv. —V 46 confused flour beetle
Trichobaris mucorea (Lec.) —V 19 tobacco stalk borer
Trichobaris trinotata (Say) —V 19 potato stalk borer
Trichodectes canis (DeG.) —N 4 dog biting louse
Trichophaga tapetzella (L.) —U 47 carpet moth
Trichoplusia ni (Hbn.) —U 34 cabbage looper
Trinoton anserinum (F.) —N 2 goose body louse
Trinoton querquedulae (L.) —N 2 large duck louse

Trionymus sacchari (Ckll.) — QQ 18 pink sugarcane mealybug
Trioza diospyri (Ashm.) — QQ 19 persimmon psylla
Trogoderma granarium Everts — V 20 khapra beetle
Tunga penetrans (L.) — Y 3 chigoe
Tychius stephensi Schönh. — V 19 clover head weevil
Tyloderma fragariae (Riley) — V 19 strawberry crown borer
Typhlocyba pomaria McA. — QQ 6 white apple leafhopper
Typophorus viridicyaneus (Crotch) — V 13 sweetpotato leaf beetle
Tyrophagus lintneri (Osb.) — XXIV c. 1 mushroom mite

Udea rubigalis (Guen.) — U 42 celery leaf tier, greenhouse leaf tier
Unaspis euonymi (Comst.) — QQ 11 euonymus scale
Urbanus proteus (L.) — U 19 bean leaf roller
Utetheisa bella (L.) — U 2 bella moth

Vanessa atalanta (L.) — U 31 red-admiral
Vanessa cardui (L.) — U 31 painted-lady
Vanessa virginiana (Drury) — U 31 painted beauty
Vasates cornutus (Banks) — XXIV d. 2 peach silver mite
Vasates lycopersici (Massee) — XXIV d. 2 tomato russet mite
Vasates quadripedes (Shimer) — XXIV d. 2 maple bladder-gall mite

Vasates schlechtendali (Nal.) — XXIV d. 2 apple rust mite
Vespa crabro v. *germana* (Christ) — W 28 giant hornet
Vespamima pini (Kell.) — U 1 pitch mass borer
Vespamima sequoiae (Hy. Edw.) — U 1 sequoia pitch moth
Vespula maculata (L.) — W 28 bald-faced hornet
Vitacea polistiformis (Harr.) — U 1 grape root borer
Vitula serratilineella Rag. — U 36 dried-fruit moth

Wasmannia auropunctata (Roger) — W 13 little fire ant
Wyeomyia smithii (Coq.) — X 8 pitcherplant mosquito

Xenopsylla cheopis (Rothsch.) — Y 2 oriental rat flea
Xylocopa virginica (Drury) — W 28 carpenter bee
Xylotrechus aceris Fisher — V 12 gall-making maple borer
Xylotrechus colonus (F.) — V 12 rustic borer

Zaraea inflata Nort. — W 8 honeysuckle sawfly
Zeiraphera ratzeburgiana Sax. — U 32 spruce bud moth
Zeuzera pyrina (L.) — U 7 leopard moth
Zonosemata electa (Say) — X 36 pepper maggot
Zophodia convolutella (Hbn.) — U 36 gooseberry fruitworm
Zygogramma exclamatoris (F.) — V 13 sunflower beetle

III. PHYLUM, CLASS, ORDER AND FAMILY NAMES

Mollusca

Gastropoda (Subclass Pulmonata)

- I. Stylommatophora snails and slugs
 1. Achatinidae
 2. Helicidae
 3. Limacidae
 4. Zonitidae

Arthropoda

Crustacea

- II. Isopoda pillbugs and sowbugs
 1. Asellidae

Diplopoda millipedes

III. Polyxenida

IV. Glomerida

V. Polyzoniida

VI. Platydesmida

VII. Cambalida

VIII. Spirostreptida

IX. Spirobolida

1. Spirobolidae

X. Julida

1. Julidae

XI. Chordeumida

1. Lysiopetalidae crested millipedes

XII. Polydesmida

1. Strongylosomidae
 2. Xystodesmidae
 3. Euryuridae
 4. Polydesmidae

Chilopoda centipedes

XIII. Scutigermorpha

1. Scutigeridae

XIV. Lithobiomorpha

1. Henicopidae
 2. Lithobiidae

XV. Scolopendromorpha

1. Scolopendridae

XVI. Geophilomorpha

1. Geophilidae
 2. Dignathodontidae

Symphyla symphylids

XVII. (No order name in literature)

1. Scutigereillidae

Arachnida

XVIII. Scorpionida scorpions

XIX. Chelonethida pseudoscorpions

XX. Solpugida solpugids

XXI. Pedipalpida whipscorpions

XXII. Phalangida daddylonglegs, harvestmen

XXIII. Araneida spiders

1. Agelenidae funnel-web weavers
 2. Epeiridae orb weavers
 3. Linyphiidae sheet-web spiders
 4. Lycosidae wolf spiders
 5. Micryphantidae dwarf spiders
 6. Oxyopidae lynx spiders
 7. Pisauridae nursery-web spiders
 8. Salticidae jumping spiders
 9. Scytodidae spitting spiders
 10. Theraphosidae tarantulas
 11. Theridiidae comb-footed spiders
 12. Thomisidae crab spiders

XXIV. a. Acarina (Ixodides) ticks

1. Argasidae soft-backed ticks
 2. Ixodidae hard-backed ticks
 b. Acarina (Mesostigmata) mites
 1. Dermanyssidae dermanyssid mites

c. Acarina (Sarcoptiformes) mites

1. Acaridae acarid mites
 2. Carpoglyphidae dried-fruit mites
 3. Psoroptidae scab mites
 4. Sarcoptidae itch mites

- d. Acarina (Trombidiformes).....mites
 1. Demodicidae.....follicle mites
 2. Eriophyidae.....eriphyid mites
 3. Eupodidae.....eupodid mites
 4. Pyemotidae.....pyemotid mites
 5. Tarsonemidae.....tarsonemid mites
 6. Tenuipalpidae (Phytoptipalpidae).....false spider mites
 7. Tetranychidae.....spider mites
 8. Trombiculidae.....chigger mites
 9. Trombididae.....trombidid mites
- Insecta.....insects
- A. Protura.....proturans
 1. Acerentomidae
 2. Eosentomidae
- B. Thysanura.....bristletails
 1. Lepismatidae.....firebrats, silverfish
 2. Machilidae.....machilids
- C. Entotrophi
 1. Campodeidae.....campodeids
 2. Japygidae.....japygids
- D. Collembola.....springtails
 1. Entomobryidae
 2. Isotomidae
 3. Onychiuridae
 4. Poduridae
 5. Sminthuridae
- E. Ephemeroptera.....mayflies
 1. Baetidae
 2. Baetiscidae
 3. Caenidae
 4. Ephemerellidae
 5. Ephemeridae
 6. Heptageniidae
 7. Leptophlebiidae
 8. Oligoneuriidae
 9. Polymitarcidae
 10. Potamanthidae
 11. Siphonuridae
- F. Odonata.....damselflies and dragonflies
 1. Aeshnidae
 2. Agrionidae
 3. Coenagrionidae
 4. Cordulegastriidae
 5. Corduliidae
 6. Gomphidae
 7. Libellulidae
 8. Libellulidae
 9. Libellulidae
- G. Plecoptera.....stoneflies
 1. Capniidae
 2. Leuctridae
 3. Nemouridae
 4. Peltoperlidae
 5. Perlidae
 6. Pteronarcidae
 7. Taeniopterygidae
- H. Orthoptera.....cockroaches, grasshoppers and allies
 1. Acrididae (Locustidae).....grasshoppers
 2. Blattidae.....cockroaches or roaches
 3. Gryllacrididae.....cave and camel crickets
 4. Gryllidae.....crickets
 5. Gryllotalpidae.....mole crickets
 6. Mantidae.....praying mantids
 7. Phasmatidae.....walkingsticks
 8. Tettigoniidae.....pygmy grasshoppers
 9. Tettigoniidae.....longhorn grasshoppers and katydids
 10. Tridactylidae.....pygmy mole crickets
- I. Dermaptera.....earwigs
 1. Forficulidae
 2. Labiduridae
 3. Labiidae

- J. Embioptera.....embiids or webspinners
 1. Anisembiidae
 2. Embiidae
 3. Oligembiidae
 4. Oligotomidae
- K. Isoptera.....termites
 1. Hodotermitidae
 2. Kalotermitidae
 3. Rhinotermitidae
 4. Termitidae
- L. Psocoptera.....booklice and psocids
 1. Liposcelidae.....booklice
 2. Psocidae.....psocids
- M. Zoraptera.....zorapterons
 1. Zorotypidae
- N. Mallophaga.....chewing lice
 1. Gyropidae.....rodent chewing lice
 2. Menoponidae.....poultry body lice
 3. Philopteridae.....feather chewing lice
 4. Trichodectidae.....mammal chewing lice
- O. Anoplura.....sucking lice
 1. Haematopinidae.....wrinkled sucking lice
 2. Hoplopleuridae.....small-mammal sucking lice
 3. Linognathidae.....smooth sucking lice
 4. Pediculidae.....human lice
- P. Thysanoptera.....thrips
 1. Aeolothripidae
 2. Merothripidae
 3. Phlaeothripidae
 4. Thripidae
- Q. Hemiptera (Heteroptera).....true bugs
 1. Anthocoridae.....flower bugs, minute pirate bugs
 2. Aradidae.....flat bugs
 3. Belostomatidae.....giant water bugs
 4. Cimicidae.....bat, bed, and bird bugs
 5. Coreidae.....coreid bugs
 6. Corixidae.....water boatmen
 7. Gelastocoridae.....toad bugs
 8. Gerridae.....water striders
 9. Lygaeidae.....lygaeid bugs
 10. Miridae.....plant bugs
 11. Nabidae.....damself bugs
 12. Neididae.....stilt bugs
 13. Nepidae.....waterscorpions
 14. Notonectidae.....backswimmers
 15. Pentatomidae.....stink bugs
 16. Phymatidae.....ambush bugs
 17. Pyrrhocoridae.....pyrrhocorid bugs
 18. Reduviidae.....assassin bugs
 19. Saldidae.....shore bugs
 20. Tingidae.....lace bugs
- QQ. Hemiptera (Homoptera).....aphids, leafhoppers, planthoppers, scale insects, and allies
 1. Aleyrodidae.....whiteflies
 2. Aphidae.....aphids or plantlice
 3. Asterolecaniidae.....pit scales
 4. Cerpocidae.....spittlebugs
 5. Chermidae.....bark aphids, gall aphids, and phylloxera
 6. Cicadellidae.....leafhoppers
 7. Cicadidae.....cicadas
 8. Coccidae.....soft scales
 9. Dactylopiidae.....dactylopiid scales
 10. Delphacidae.....delphacid planthoppers
 11. Diaspididae.....armored scales
 12. Flatidae.....flatid planthoppers
 13. Fulgoridae.....fulgorid planthoppers
 14. Issidae.....issid planthoppers
 15. Margarodidae.....margarodid scales
 16. Membracidae.....treehoppers
 17. Orthezidae.....ensign scales

18. Pseudococcidae mealybugs
19. Psyllidae jumping plantlice or psyllids
- R. Neuroptera (Sialodea)
 1. Corydalidae dobsonflies
 2. Sialidae alderflies
- RR. Neuroptera (Raphidioidea)
 1. Raphidiidae snakeflies
- RRR. Neuroptera (Planipenni)
 1. Chrysopidae green lacewings
 2. Coniopterygidae dustywings
 3. Hemerobiidae brown lacewings
 4. Mantispidae mantispids
 5. Myrmeleontidae antlions
 6. Sisyridae spongillafies
- S. Mecoptera scorpionflies
 1. Bittacidae hangingflies
 2. Boreidae snow scorpionflies
 3. Panorpidae scorpionflies
- T. Trichoptera caddisflies
 1. Hydropsychidae
 2. Limnephilidae
 3. Phryganeidae
- U. Lepidoptera butterflies, moths, skippers
 1. Aegeriidae clear wing moths
 2. Arctiidae tiger moths and allies
 3. Bombycidae silkworm moths
 4. Citheroniidae royal moths
 5. Coleophoridae casebearer moths
 6. Cosmopterygidae
 7. Cossidae carpenterworm moths
 8. Crambidae grass moths
 9. Danaidae milkweed butterflies
 10. Dioptriidae
 11. Epipaschiidae
 12. Galleriidae wax moths
 13. Gelechiidae gelechiid moths
 14. Geometridae geometrid moths
 15. Glyphipterygidae
 16. Gracilariidae leaf blotch miners
 17. Heliozelidae shield bearers
 18. Hepialidae hepialid moths
 19. Hesperidae skippers
 20. Hyponomeutidae plutellid moths
 21. Incurvariidae
 22. Lasiocapidae tent caterpillar moths and allies
 23. Lycaenidae blues, coppers, hair-streaks
 24. Limacodidae slug caterpillar moths
 25. Lymantriidae tussock moths
 26. Lyonetiidae
 27. Megalopygidae flannel moths
 28. Nepticulidae
 29. Notodontidae notodontid moths
 30. Nymphalidae brush-footed butterflies
 31. Oecophoridae
 32. Olethreutidae olethreutid moths
 33. Papilionidae swallowtail butterflies
 34. Phalaenidae (Noctuidae) owl moths and underwings
 35. Phalonidae
 36. Phycitidae
 37. Pieridae whites and sulfur butterflies
 38. Prodoxidae yucca moths
 39. Psychidae bagworm moths
 40. Pterophoridae plume moths
 41. Pyralidae pyralid moths
 42. Pyraustidae pyraustid moths
 43. Saturniidae giant silkworm moths
 44. Satyridae satyr butterflies
 45. Scythrididae
46. Sphingidae sphinx moths
47. Tineidae clothes moths
48. Tischeriidae
49. Tortricidae leaf roller moths
50. Zygaenidae leaf skeletonizer moths
- V. Coleoptera beetles
 1. Anobiidae deathwatch and drug-store beetles
 2. Anthicidae ant-like flower beetles
 3. Anthribidae fungus weevils
 4. Belidae belid weevils
 5. Bostrichidae false powder post beetles
 6. Brentidae brentid beetles
 7. Bruchidae seed beetles
 8. Buprestidae flatheaded or metallic wood borers
 9. Byturidae fruitworm beetles
 10. Cantharidae soldier beetles
 11. Carabidae ground beetles
 12. Cerambycidae long-horned beetles or roundheaded wood borers
 13. Chrysomelidae leaf beetles
 14. Cicindelidae tiger beetles
 15. Cleridae checkered beetles
 16. Coccinellidae lady beetles
 17. Cryptophagidae cryptophagid beetles
 18. Cucujidae cucujid beetles or flat bark beetles
 19. Curculionidae snout beetles or weevils
 20. Dermestidae dermestid beetles
 21. Dytiscidae predaceous diving beetles
 22. Elateridae click beetles, wireworms
 23. Gyrinidae whirligig beetles
 24. Histeridae hister beetles
 25. Hydrophilidae water scavenger beetles
 26. Lampyridae fireflies
 27. Languriidae languriid beetles
 28. Lucanidae stag beetles
 29. Lycidae net-winged beetles
 30. Lyctidae powder post beetles
 31. Lymexylidae timber beetles
 32. Meloidea blister beetles
 33. Mordellidae tumbling flower beetles
 34. Mycetophagidae hairy fungus beetles
 35. Nitidulidae sap beetles
 36. Oedemeridae oedemerid beetles
 37. Ostomatidae ostomatid beetles
 38. Passalidae passalid beetles
 39. Phalacridae shining flower beetles
 40. Ptinidae spider beetles
 41. Scarabaeidae scarabs
 42. Scolytidae bark beetles
 43. Silphidae carrion beetles
 44. Staphylinidae rove beetles
 45. Stylopidae twisted-winged insects
 46. Tenebrionidae darkling beetles
- W. Hymenoptera ants, bees, sawflies, wasps, and allies
 1. Agaontidae agaontid wasps
 2. Andrenidae andrenid bees
 3. Apidae bumble, carpenter, honey, and stingless bees
 4. Braconidae braconids
 5. Cepidae stem sawflies
 6. Chalcididae chalcids
 7. Chrysididae cuckoo wasps
 8. Cimbicidae cimbicid sawflies
 9. Colletidae colletid bees
 10. Cynipidae cynipids or gall wasps
 11. Diprionidae conifer sawflies

12. Eurytomidae eurytomids, joint-worms, seed chalcids
 13. Formicidae ants
 14. Halictidae halictid bees, sweat bees
 15. Ichneumonidae ichneumons
 16. Megachilidae leafcutting bees
 17. Mutillidae velvet ants
 18. Pamphiliidae web-spinning sawflies
 19. Pelecinidae pelecinid wasps
 20. Pompilidae spider wasps
 21. Scelionidae scelionid wasps
 22. Siricidae horntails
 23. Sphecidae cicada killers, mud daubers, and sand wasps
 24. Tenthredinidae sawflies
 25. Tiphiidae tiphiid wasps
 26. Torymidae torymids
 27. Trichogrammatidae minute egg parasites
 28. Vespidae hornets, potter wasps, and yellow jackets
- X. Diptera flies
1. Agromyzidae leaf miner flies
 2. Asilidae robber flies
 3. Bibionidae march flies
 4. Bombyliidae bee flies
 5. Calliphoridae blow flies
 6. Chaoboridae phantom midges
 7. Chloropidae chloropid flies
 8. Culicidae mosquitoes
 9. Cuterebridae rabbit bots, rodent bots
 10. Dolichopodidae longlegged flies
 11. Dorilidae (Pipunculidae) big-headed flies
 12. Drosophilidae vinegar flies

13. Empididae dance flies
 14. Fungivoridae (Mycetophilidae) fungus gnats
 15. Gasterophilidae horse bots
 16. Heleidae (Ceratopogonidae) biting midges
 17. Hippoboscidae louse flies
 18. Hypodermatidae warble flies
 19. Itonididae (Cecidomyiidae) gall midges
 20. Larvaevoridae (Tachinidae) tachina flies
 21. Muscidae house flies, stable flies, and allies
 22. Oestridae bot flies
 23. Otitidae otitid flies
 24. Piophilidae skipper flies
 25. Phoridae humpbacked flies
 26. Psilidae
 27. Psychodidae moth flies
 28. Rhagionidae snipe flies
 29. Sarcophagidae flesh flies
 30. Scopeumatidae (Scatophagidae) dung flies
 31. Simuliidae black flies
 32. Stratiomyidae soldier flies
 33. Syrphidae flower flies
 34. Tabanidae deer and horse flies
 35. Tendipedidae (Chironomidae) midges
 36. Tephritidae (Trypetidae) fruit flies
 37. Tipulidae crane flies
- Y. Siphonaptera fleas
1. Ceratophyllidae (Dolichopsyllidae)
 2. Pulicidae pulicid fleas
 3. Tungidae jiggers and sticktight

PROPOSED ADDITIONS TO THE LIST OF COMMON NAMES OF INSECTS AND OTHER INVERTEBRATES
APPROVED BY THE ENTOMOLOGICAL SOCIETY OF AMERICA

The Committee on Common Names has approved 38 proposed additions to the Common Names Lists. These names are now submitted to the membership for consideration. Members are requested to indicate disapproval of any of these proposals within 30 days after receipt of the Bulletin. No objections have been received concerning any of the 25 proposals published in the September number of the Bulletin (Vol 1, No. 3, p. 43) and those names have been added to the official list.

Arachnida

- Boophilus annulatus microptus* (Can.) —XXIV a. 2 southern cattle tick
- Brevipalpus lewisi* McG. —XXIV d. 7 citrus flat mite
- Eotetranychus yumensis* —XXIV d. 7 Yuma spider mite
- Tetranychus canadensis* (McG.) —XXIV d. 7 four-spotted spider mite
- Tetranychus desertorum* Banks —XXIV d. 7 desert spider mite
- Tetranychus pacificus* McG. —XXIV d. 7 Pacific spider mite
- Tetranychus schoenei* McG. —XXIV d. 7 Schoene spider mite
- Tetranychus tumidus* Banks —XXIV d. 7 tumid spider mite

Coleoptera

- Calendra parvula* (Gyll.) —V 19 bluegrass billbug
- Carpophilus antiquus* Melsh. —V 35 antique sap beetle
- Carpophilus lugubris* Murry —V 35 dusky sap beetle

- Epicauta subglabra* (Fall) —V 32 caragana blister beetle
- Paria fragariae* Wilcox —V 13 strawberry rootworm

Diptera

- Phytophaga rigidae* (O.S.) —X 19 willow beaked-gall midge
- Tetanops myopaeformis* (Roed.) —X 21 sugar-beet root maggot

Gastropoda

- Cepala nemoralis* (L.) —I. 2 banded wood snail
- Deroceras laeve* (Müller) —I. 3 gray field slug
- Deroceras reticulatum* (Müller) —I. 3 gray garden slug
- Helix aspersa* (Müller) —I. 2 brown garden snail
- Limax flavus* L. —I. 3 tawny garden slug
- Milax gagates* (L.) —I. 3 greenhouse slug
- Lubulina octona* (Brug.) —I. 1 subulina snail
- Theba pisana* (Müll.) —I. 2 White garden snail

Hemiptera

- Clastoptera achatina* Germ. —QQ 4 pecan spittlebug
- Clastoptera obtusa* (Say) —QQ 4 alder spittlebug
- Clastoptera saint-cyri* Prov. —QQ 4 heath spittlebug
- Clastoptera xanthocephala* Germ. —QQ 4 sunflower spittlebug
- Lepyronia quadrangularis* (Say) —QQ 4 diamond-backed spittlebug
- Macrosiphum caraganae* (Cholod.) —QQ 2 caragana aphid
- Pseudococcus boninsis* (Kuwana) —QQ 18 gray sugarcane mealybug
- Pterocallidum trifolii* (Monell) —QQ 2 yellow clover aphid

Hymenoptera

- Apanteles congregatus* (Say) —W 4
congregating hornworm parasite
Cardiochiles migriceps Vier. —W 4red tail wasp
Nematus hyalinus (Nort.) —W 24
willow red-gall sawfly

Lepidoptera

- Papaipema cataphracta* Grt. —U 34burdock borer
Platyedra viella Zell. —U 13cotton stem moth
Pyroderces rileyi Wlsh. —U 6pink scavenger caterpillar
Symmerista leucitys Franc. —U 29orange-humped mapleworm

REECE I. SAILER, *Chairman*
 Committee on Common Names of Insects
 Entomology Research Branch, Beltsville, Maryland

AUTOGRAPHA O O

(Continued from inside front cover)

EMPLOYMENT FILE. Entomologists seeking employment and firms or institutions seeking entomologists may submit pertinent information to this office. We will try to service each as information becomes available.

MEETINGS

MARYSVILLE, CALIFORNIA. Elks Club, January 16-18, 1956. The 24th Annual Meeting of the California Mosquito Control Association.

BEAUMONT, TEXAS. Hotel Beaumont, February 5-8, 1956. The 12th Annual Meeting of the American Mosquito Control Association Inc.

ATLANTA, GEORGIA. Atlanta Biltmore Hotel, February 6-8, 1956. Cotton States Branch, Entomological Society of America. H. C. Young, Chairman; W. G. Eden, Secretary-Treasurer.

FORT WORTH, TEXAS. Hotel Texas, February 20-21, 1956. Southwestern Branch, Entomological Society of America. D. E. Earley, Chairman; S. W. Clark, Secretary-Treasurer.

AUBURN, ALABAMA. Alabama Polytechnic Institute, February 22, 23, 24, 1956. Alabama Plant Pest Control Conference.

MONTREAL, CANADA. August 17 to 25, 1956. The Tenth International Congress of Entomology. We wish to keep reminding our members of this important meeting. J. A. Downes, Science Service Bldg., Carling Ave., Ottawa, Ontario, Canada will be glad to hear from you.

NECROLOGY

ALDEN, C. H., 61. Director, Insect and Plant Disease Control, Georgia Department of Entomology. At Atlanta, Georgia, September 18, 1955.

BARTLETT, O. C., 72. Retired State Entomologist of Arizona. At Phoenix, Arizona, September 28, 1955.

BUYS, JOHN L., 58. Professor, Biology Department, St. Lawrence University. At Canton, N. Y., June 1955.

HINMAN, FRANK G., 45. Fruit Insects Section, Entomology Research Branch, U. S. Department of Agriculture. In a fall from a 700 foot cliff. Near Windward, Oahu Island, Hawaii, November 27, 1955.

KNAPP, R. B., 31. Cereal and Forage Insects Section, Entomology Research Branch, U. S. Department of Agriculture. In George Washington University Hospital, Washington, D. C., December 9, 1955.

KOMP, W. H. W., 62. National Institutes of Health, U. S. Department of Health, Education and Welfare. At College Park, Maryland, December 7, 1955.

MIRIMANIAN, MIRIAM S., at Mandeville, Louisiana, May 24, 1955.

SCHATTENBERG, E. A., 51. Entomologist in private industry. At Harlingen, Texas, May 5, 1955.

SWAIN, J. M., 76. Retired entomologist, Canadian Department of Agriculture. At Ottawa, Ontario, Canada, November 11, 1955.

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These reprint prices will be effective for all papers accepted after January 1, 1956 for publication either in the JOURNAL OF ECONOMIC ENTOMOLOGY or the ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA. This change is in accordance with action of the Governing Board taken at the Annual Meeting in Cincinnati November 28-December 1, 1955.

Z. P. METCALF

Zeno Payne Metcalf, William Neal Reynolds Professor of Entomology at North Carolina State College of the University of North Carolina, has received the O. Max Gardner Award for 1955. This award is given annually to "the member of the faculty who during the current scholastic year has made the greatest contribution toward the welfare of the human race."

Dr. Metcalf has been a member of the faculty of the Consolidated University of North Carolina for forty-three years. He was Director of Instruction

from 1923-1944 and Associate Dean of the Graduate School from 1940-1950.

SOCIETY MEMBERS HONORED

In June 1955 six members of the Society were publically commended for their work on the screw-worm fly eradication program on the Caribbean Island of Curaco. The governor of the island, A. A. M. Struycken, sent documents of commendation to A. W. Lindquist, A. H. Baumhover, W. D. New, A. J. Graham, D. E. Hopkins, and F. H. Dudley. On October 28 T. Van Eyck, vice-consul for the

Netherlands at Tampa, Florida, on behalf of his Government, appointed A. H. Baumhover a Knight in the Order of Orange Nassau. This honor was bestowed by Royal Decree for Dr. Baumhover's work on the Curaco screw-worm project. Congratulations!

THE ROCKY MOUNTAIN CONFERENCE OF ENTOMOLOGISTS

The twenty-sixth annual Rocky Mountain Conference of Entomologists was held at the Cameron Pass 4-H Club camp August 9 to 13, 1955. This camp is located at an altitude of about 9,500 feet, in Colorado State Forests, about 85 miles west of Fort Collins, Colorado.

All visitors, with their families, were housed in cabins and bunk houses with meals being served in a central dining hall. One hundred fifty-five, with 71 being directly interested in entomology, were in attendance. The entomologists represented 17 states and Mexico.

One full day was given for field trips, insect collecting, mountain climbing, fishing, and general recreation. All formal meetings took the form of discussions. The program was quite varied, with the yellow clover aphid, kaphra beetle, brown wheat mite, forest insects, and soil insects and insecticides receiving the most attention.

The officers for the meeting were: Chairman, Phil A. Ray; Vice-chairman, Claime E. Titensor; Treasurer, John L. Hoerner; Assistant Treasurer, T. O. Thatcher; Secretary, Geo. M. List; Assistant Secretary, Gordon Mickle.

The officers for 1956 are Clarence A. Sooter, Chairman; Chris Burkhardt, Vice-chairman, with all other officers being reelected.

RESULTS OF 1954 FUNGICIDE TESTS

This series of articles appearing in *Agricultural Chemicals*, April through June, has been reprinted and may be purchased in bound and covered form for \$1.00 per copy by sending orders with remittance to Dr. D. A. Roberts, Department of Plant Pathology, College of Agriculture, Cornell University, Ithaca, New York. The publication of these results is under the sponsorship of the American Phytopathological Society. It is a continuation of the publication of results formerly provided through a Supplement of the Plant Disease Reporter, Plant Disease Epidemics and Identification Section, U. S. Department of Agriculture.

The Temporary Advisory Committee on Collecting and Disseminating Data on New Fungicide Tests of the American Phytopathological Society arranged for the recent publication of data and the continuation of a program for annual publications of Fungicide Test Results in the future. Dr. D. A. Roberts, Department of Plant Pathology, Cornell University, Ithaca, New York, will be in charge of this project during the current year.

IBM PROGRAM FOR PROBIT ANALYSIS

The Cornell Computing Center, at the request of several members of the Department of Entomology of Cornell University, has set up a card programed calculation program for handling probit analyses, based on Probit Analysis by Finney (1951). The requisite raw-data includes:

1. Dose or Concentration.
2. Total number of insects counted at each concentration and the checks.
3. Number of insects dead at each concentration and the checks.

From this, machine computation yields the following printed results:

1. Dose. 2. Total Number. 3. Observed kill. 4. Log of dose. 5. % Mortality. 6. Empirical Probits. 7. Net % Mortality. 8. \bar{Y} of Provisional line. 9. Sums of nw , nwx , nwy , nwx^2 , $nwxy$, nwy^2 . 10. Values for $\frac{1}{\sum nw}$, \bar{y} , \bar{x} , $\sum xx$, $\sum xy$, $\sum yy$. 11. Chi Square. 12. Slope of provisional line and its tolerance. 13. \bar{Y} of calculated line, and Tolerance of \bar{Y} (Fiducial limits). 14. LD50 + LD 95 and tolerances thereof expressed as log and anti-log.

Machine operating-time per analysis runs from five to ten minutes, depending on the number of points.

This service is now available at standard hourly fees. Requests should be directed to:

Cornell Computing Center
Rand Hall
Cornell University
Ithaca, New York

MRS. FOOTE INJURED

Mrs. Marjorie W. Foote, the editor's secretary and office chief, and her husband, Dr. R. H. Foote of the Entomology Research Branch, U. S. Dept. of Agriculture, were seriously injured in an automobile accident near Clinton, Iowa, on August 20 while returning from vacation in Montana. Fortunately their son Christ escaped injury. Dr. Foote, although still on crutches, has returned to work. Mrs. Foote is still on the disabled list. She has been sorely missed by the Society's central office. We wish her a speedy recovery.

H. M. ARMITAGE

H. M. Armitage, recently chosen President-Elect of the Society, retired from the California State Department of Agriculture on October 31, 1955. He is now a consulting entomologist and, we are sure, will be much in "consultation" on Society affairs during the next three years.

A. S. HOYT

Avery S. Hoyt is retiring December 31, 1955 from his position as Director of Crops Regulatory Programs, U. S. Dept. of Agriculture. The "Chief" has the best wishes of his multitude of friends.

WORLD TRAVELER

S. S. Easter of the Velsicol Corporation sends us notes and reports from here and there around the world. These are always interesting and some will be used in future issues of the BULLETIN.

GEORGIA ENTOMOLOGICAL SOCIETY

This Society met March 4-5, 1955 in Radium Springs, Ga. Officers elected were President, C. R. Jordan; Vice-President, H. E. Johnson; Secretary-Treasurer, H. O. Lund. The 1956 meeting will be held at Savannah, Ga. Write Dr. Lund for details.

WASHINGTON STATE ENTOMOLOGICAL SOCIETY

This Society met in Portland, Oregon, September 9 and 10, 1955, in conjunction with the Oregon Entomological Society. The officers for 1956 are President, H. P. Lanchester; President-Elect, E. J. Newcomer; Secretary-Treasurer, M. H. Hatch. The next meeting, with exact date and place to be announced, will be held in March, 1956.

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